

NEWFIELD



October 11, 2005

Bureau of Land Management  
Attn: Byron Tolman  
170 South 500 East  
Vernal, Utah 84078-2799

RE: Amended Application for Permit to Drill, Federal #9-13-9-16.

Dear Byron:

Enclosed find the amended APD on the Federal #9-13-9-16 now named the **Federal 9-13T-9-16**. Due to problems associated with drilling, the original well was drilled and subsequently plugged and abandoned. Newfield proposes to move 25' north from where the original well was drilled and twin the now plugged and abandoned well. The well location footages now will be 2001' FSL and 660' FEL. Distance from well to nearest property or lease line is approx. 660' f/lse line. The elevation is 5502' GL. The Conditions of Approval as well as the 10 Point Drilling Program and 13 Point Surface and Operations Plan will remain the same. There will be no additional surface disturbance associated with twinning the original well. If you have any questions, feel free to give either Shon or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

cc: State of Utah DOGM

enclosures

RECEIVED  
OCT 14 2005  
DIV. OF OIL, GAS & MINING

# RIG SKID

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-64805

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
N/A

8. Lease Name and Well No.  
Federal 9-13T-9-16

9. API Well No.  
43-013-32954

10. Field and Pool, or Exploratory  
Monument Butte 165

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SE Sec. 13, T9S R16E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SE 2001' FSL 660' FEL 580210X 40.029106  
At proposed prod. zone 4431201Y -110.059967

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 20.0 miles south of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 660' f/lse, NA f/unit

16. No. of Acres in lease  
560.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1,287'

19. Proposed Depth  
5875'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5502' GL

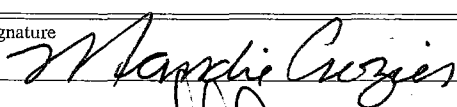
22. Approximate date work will start\*  
1st Quarter 2006

23. Estimated duration  
Approximately seven (7) days from spud to rig release.


### 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  Name (Printed/Typed) Mandie Crozier Date 10/11/05

Title Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 11-08-05

Title ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary


RECEIVED  
OCT 14 2005  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**



The Well Location bears  
S46°08'54"W 916.22' from the  
East 1/4 Corner of Section 13.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEY  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF. No. 189377

  
STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SURVEYED BY: D.J.S.

DRAWN BY: F.T.M.

FILE #



BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

NEWFIELD PRODUCTION COMPANY  
FEDERAL #9-13T-9-16  
NE/SE SECTION 13, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 1640'
Green River	1640'
Wasatch	5875'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' - 5875' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



NEWFIELD PRODUCTION COMPANY  
FEDERAL #9-13T-9-16  
NE/SE SECTION 13, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #9-13T-9-16 located in the NE 1/4 SE 1/4 Section 13, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 14.6 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 3.4 miles  $\pm$  to it's junction with an existing road to the north; proceed northerly - 0.4 miles  $\pm$  to it's junction with the beginning of the proposed access road to the west; proceed westerly along the proposed access road - 540'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-44, 5/5/03. Paleontological Resource Survey prepared by, Wade E. Miller, 4/7/04. See attached report cover pages, Exhibit "D".

For the Federal #9-13T-9-16 Newfield Production Company requests 540' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 540' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 610' ROW in Lease UTU-75039 and 2,190' of disturbed area be granted in Lease UTU-64805 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to

initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex Confertifolia</i>	4 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	4 lbs/acre
Crested Wheat Grass		4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #9-13T-9-16 was on-sited on 5/19/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear at 70 degrees.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon McKinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-13T-9-16 NE/SE Section 13, Township 9S, Range 16E: Lease UTU-64805 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/11/05

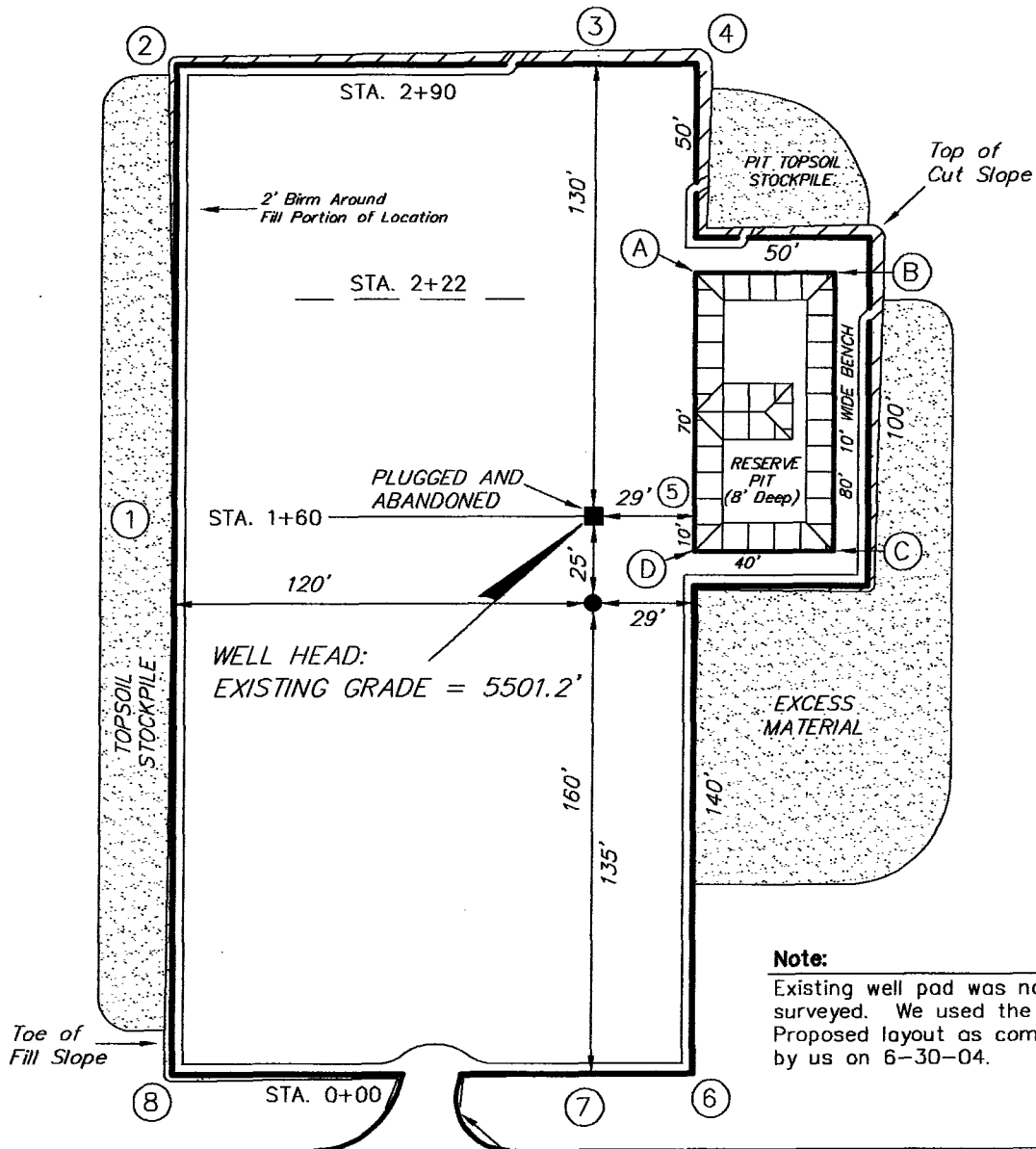
Date

  
Mandie Crozier  
Regulatory Specialist

# NEWFIELD PRODUCTION COMPANY

## CASTLE PEAK 9-13T

Section 13, T9S, R16E, S.L.B.&M.



### Note:

Existing well pad was not surveyed. We used the Proposed layout as completed by us on 6-30-04.

Access road for the 10-13-9-16

ACCESS ROAD  
(Max. 6% Grade)

### REFERENCE POINTS

180' SOUTH = 5504.6'  
230' SOUTH = 5504.9'  
170' EAST = 5500.8'  
220' EAST = 5499.6'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

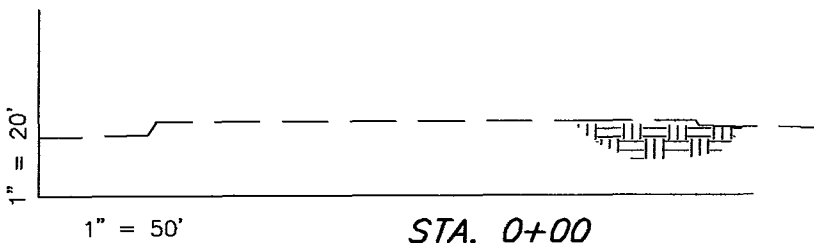
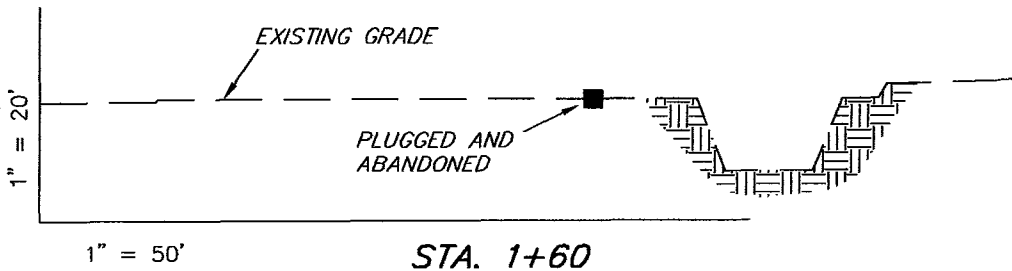
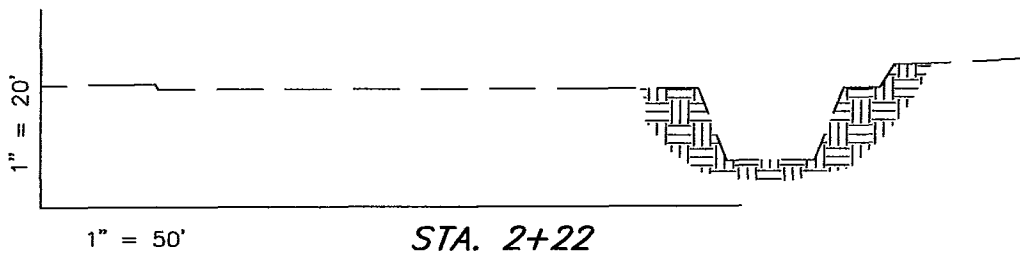
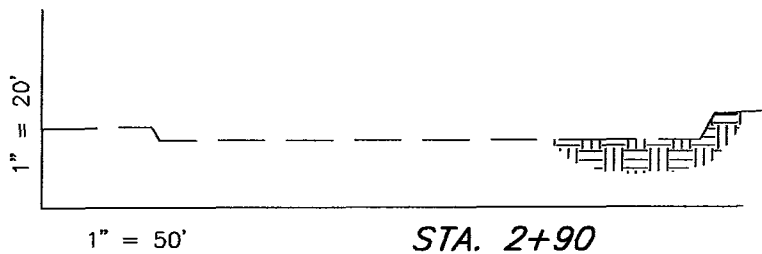
DATE: 10-10-05

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**CASTLE PEAK 9-13T**



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-10-05

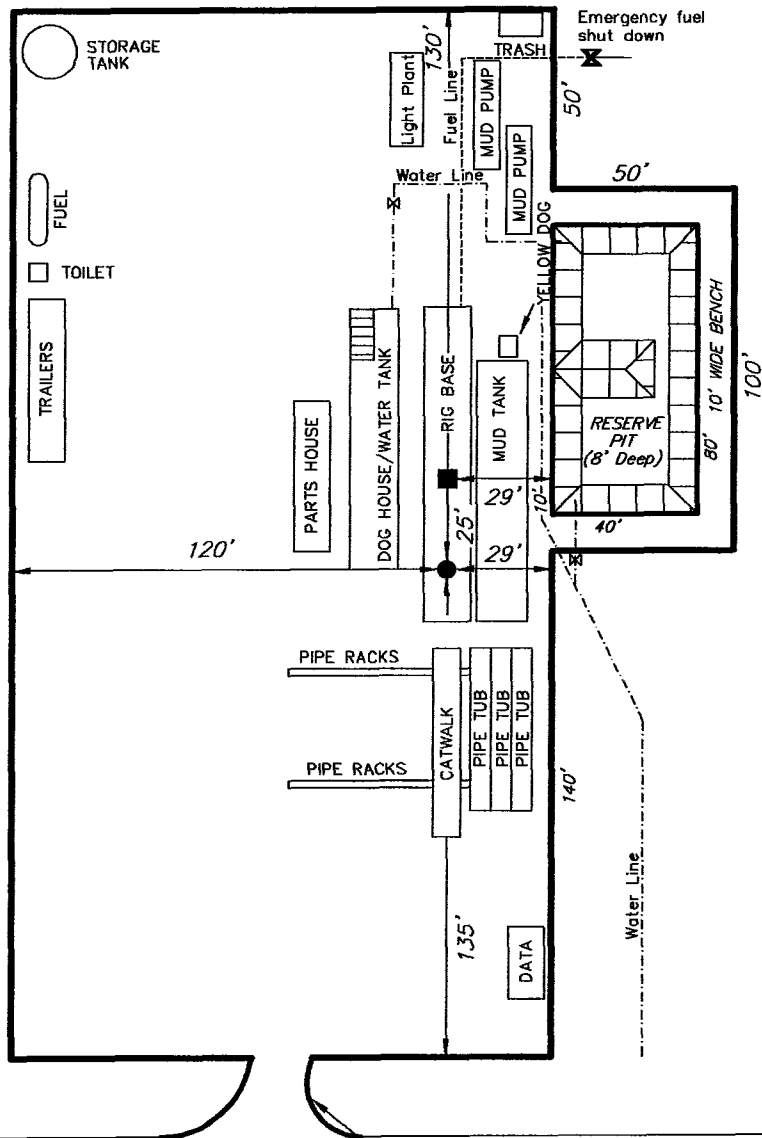
**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### CASTLE PEAK 9-13T



ACCESS ROAD  
(Max. 6% Grade)

Access road for  
the 10-13-9-16

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

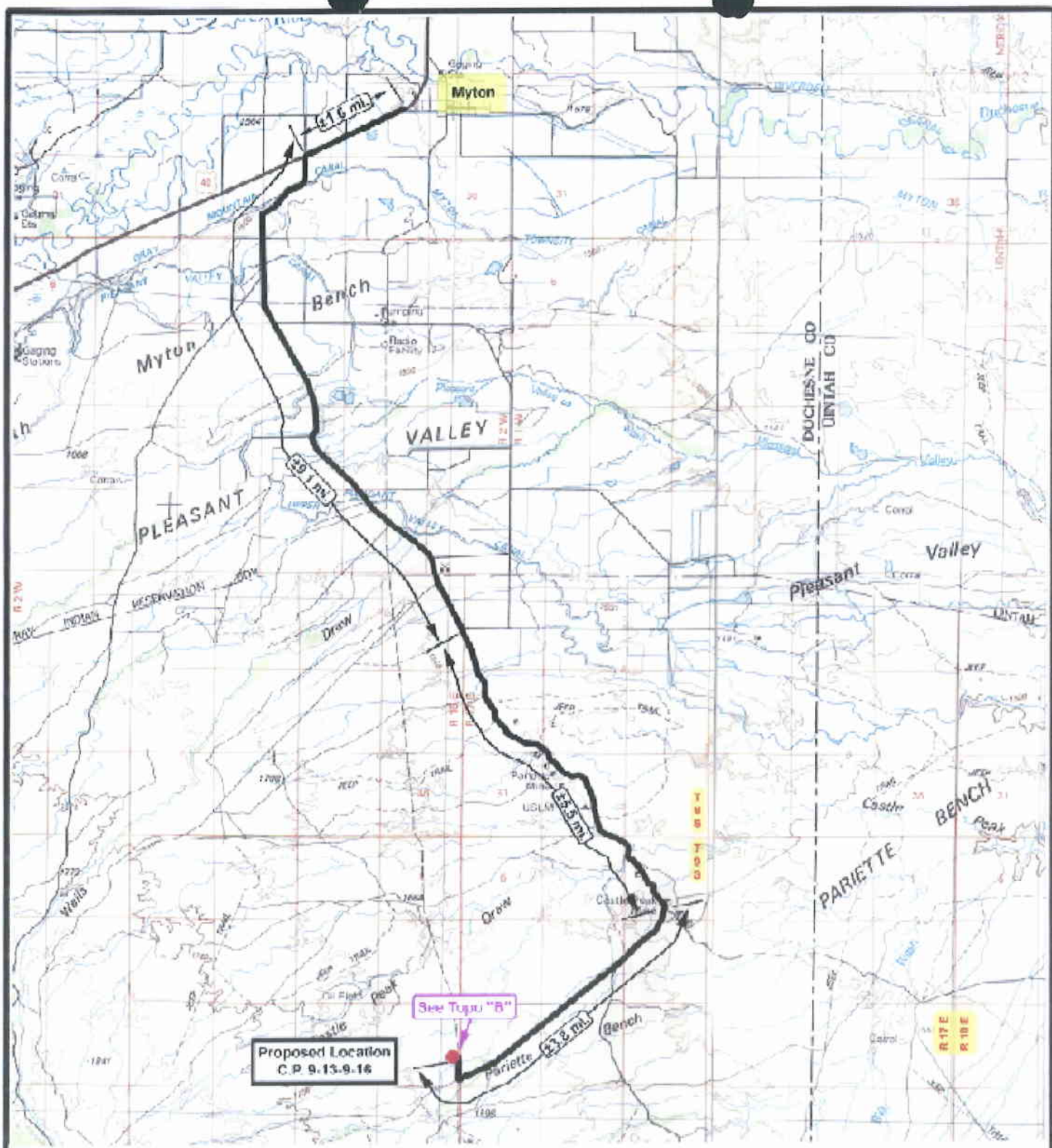
DRAWN BY: F.T.M.

DATE: 10-10-05

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**NEWFIELD**  
Exploration Company

**Castle Peak 9-13-9-16**  
**SEC. 13, T9S, R16, S.L.B.&M.**

*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501

36 West 100 North Vernal, Utah 84075

SCALE: 1" = 100,000'

DRAWN BY: hgm

DATE: 04-07-2004

**Legend**


- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**







**NEWFIELD**  
Exploration Company

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**Castle Peak 9-13-9-16**  
**SEC. 13, T9S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 241-2501  
38 WEST 180 NORTH VERMIL, UTAH 84078

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**SCALE: 1" = 2000'**  
**DRAWN BY: bgm**  
**DATE: 07-05-2004**

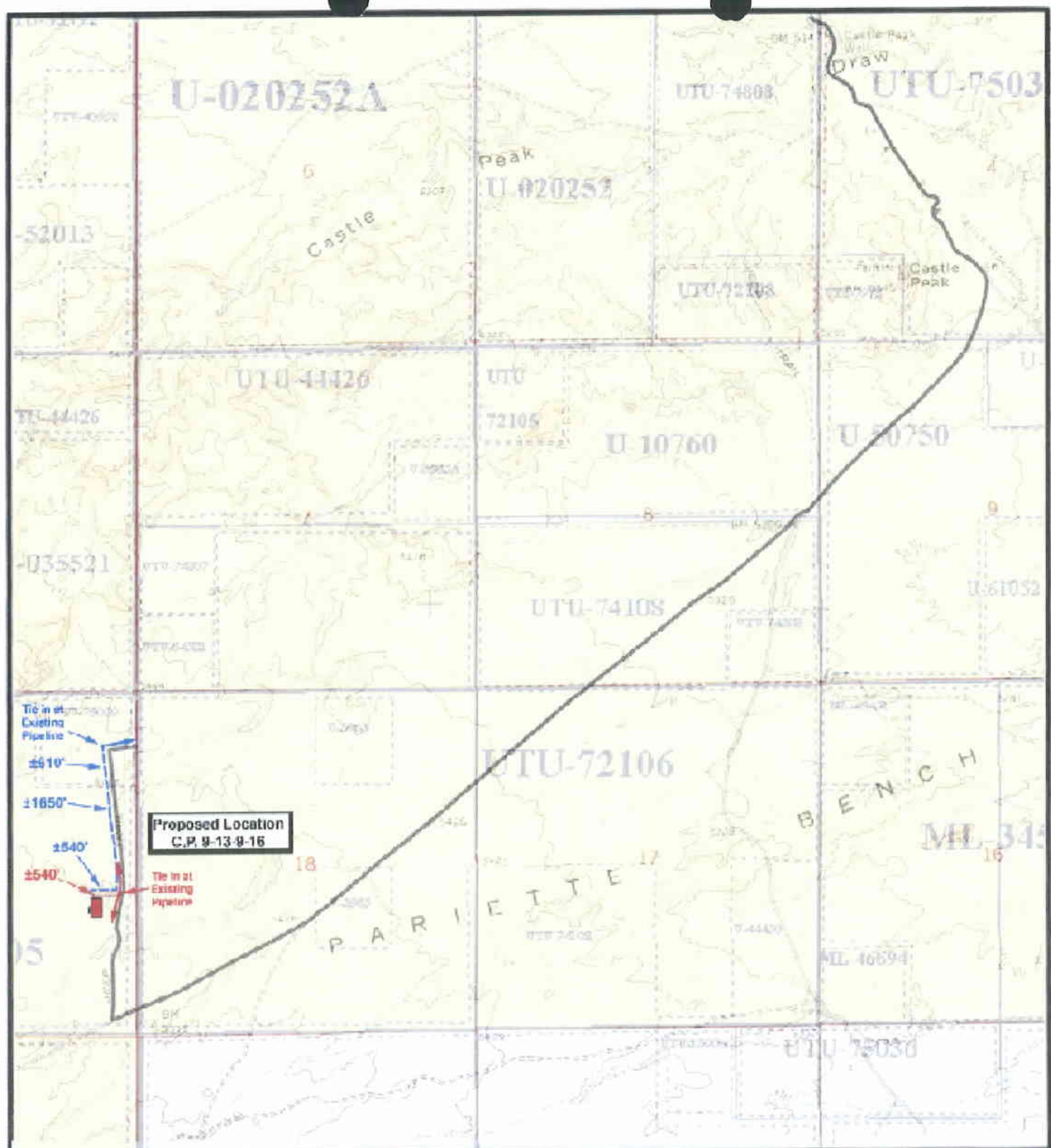
**Legend**

— Existing Road  
— Proposed Access

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**TOPOGRAPHIC MAP**  
**"B"**





**NEWFIELD**  
Exploration Company

**Castle Peak 9-13-9-16**  
**SEC. 13, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 241-2501

38 WEST 180 NORTH VERMIL, UTM 84Q7R

SCALE: 1" = 2000'

DRAWN BY: bgm

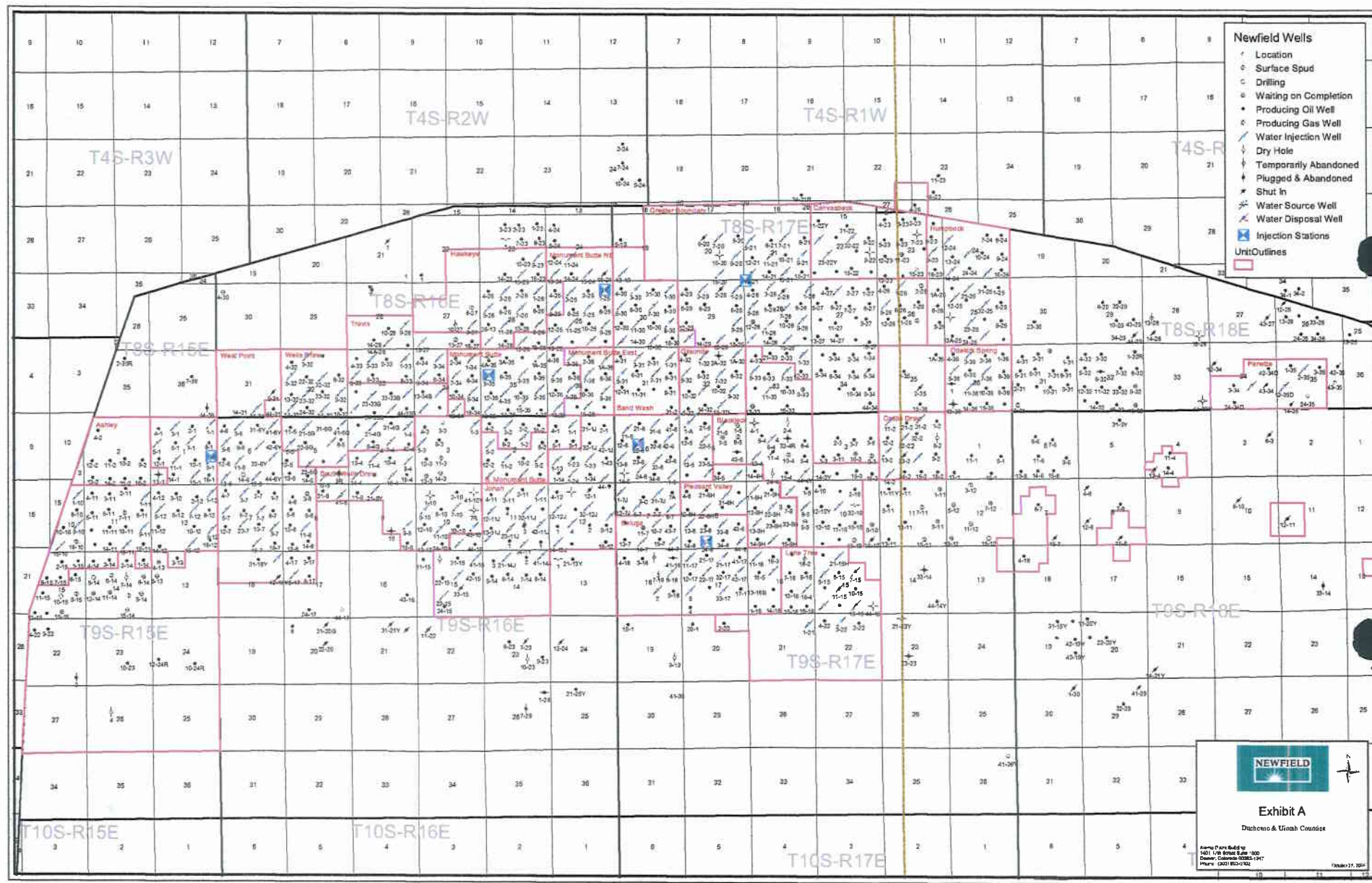
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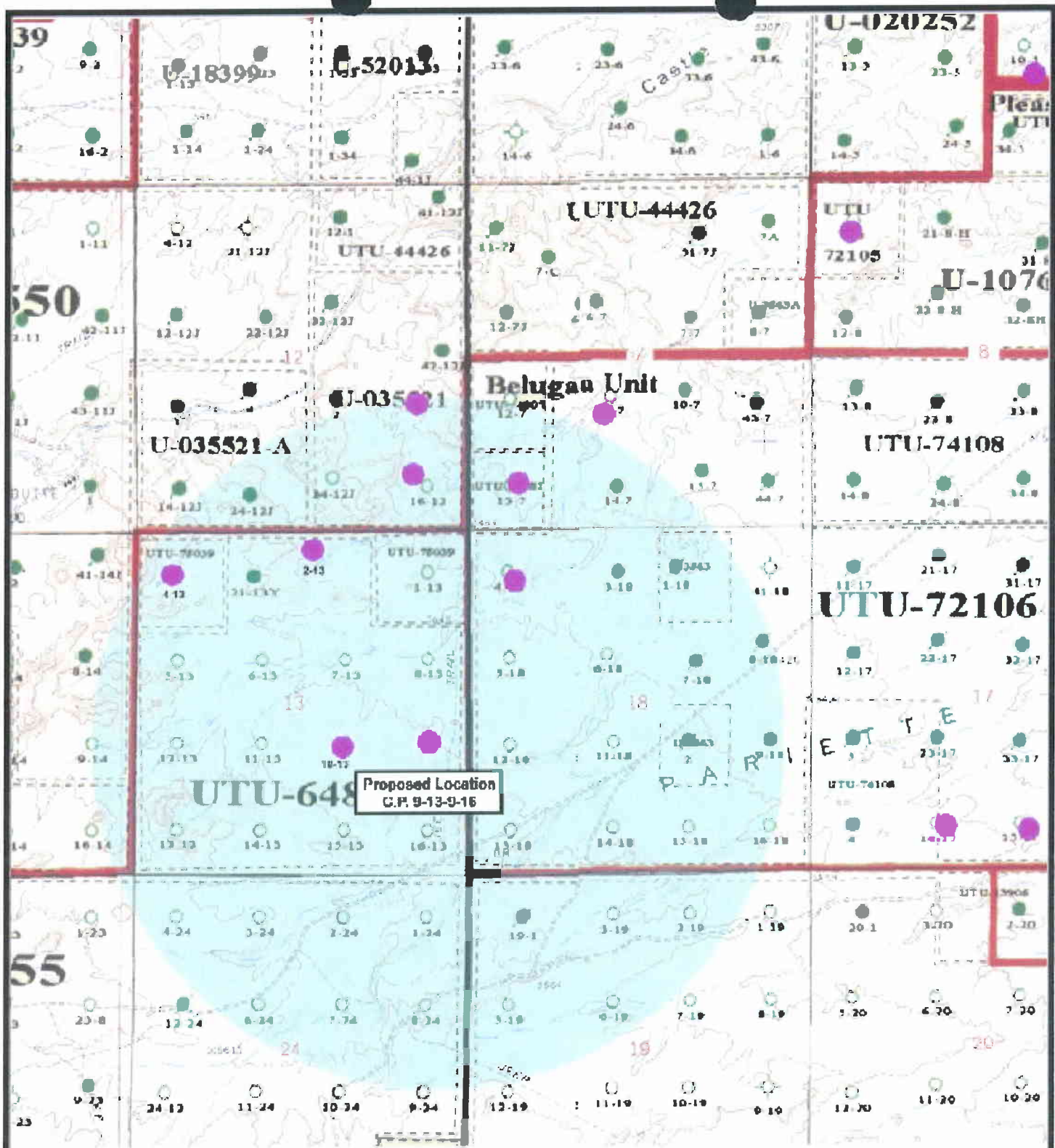
- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP

**"C"**







**NEWFIELD**  
Exploration Company

**Castle Peak 9-13-9-16**  
**SEC. 13, T9S, R16E, S.L.B.&M.**

**Tri-State**  
Land Surveying, Inc.  
190 NORTH VERNAL AVE. VERNAL, UTAH 84478  
(435) 781-2501

**SCALE:** 1" = 2000'  
**DRAWN BY:** bgm  
**DATE:** 07-05-2004

**Legend**

- Well Locations
- One-Mile Radius

**"Exhibit B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

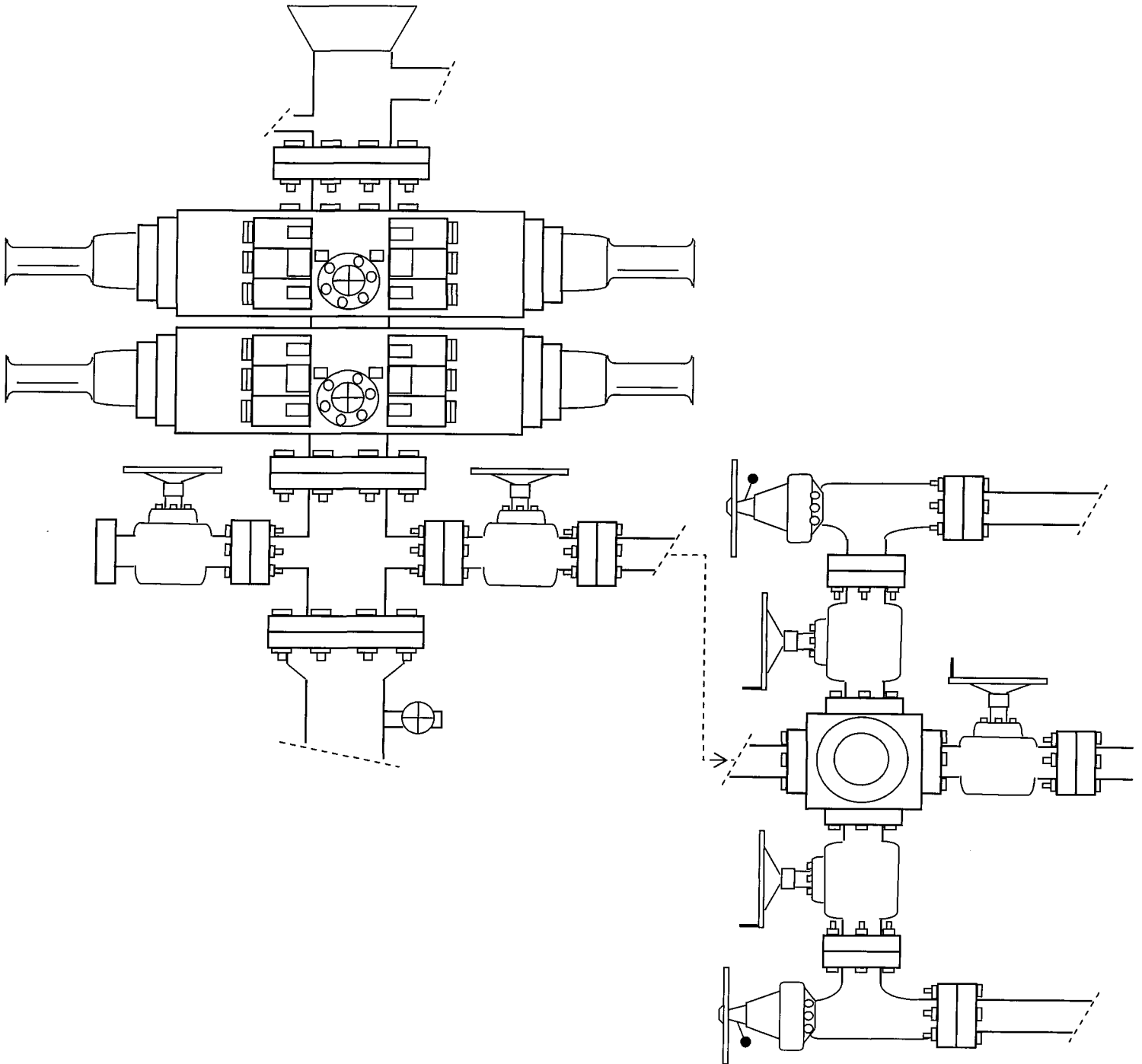


EXHIBIT C

Exhibit "D"  
Page 1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)  
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

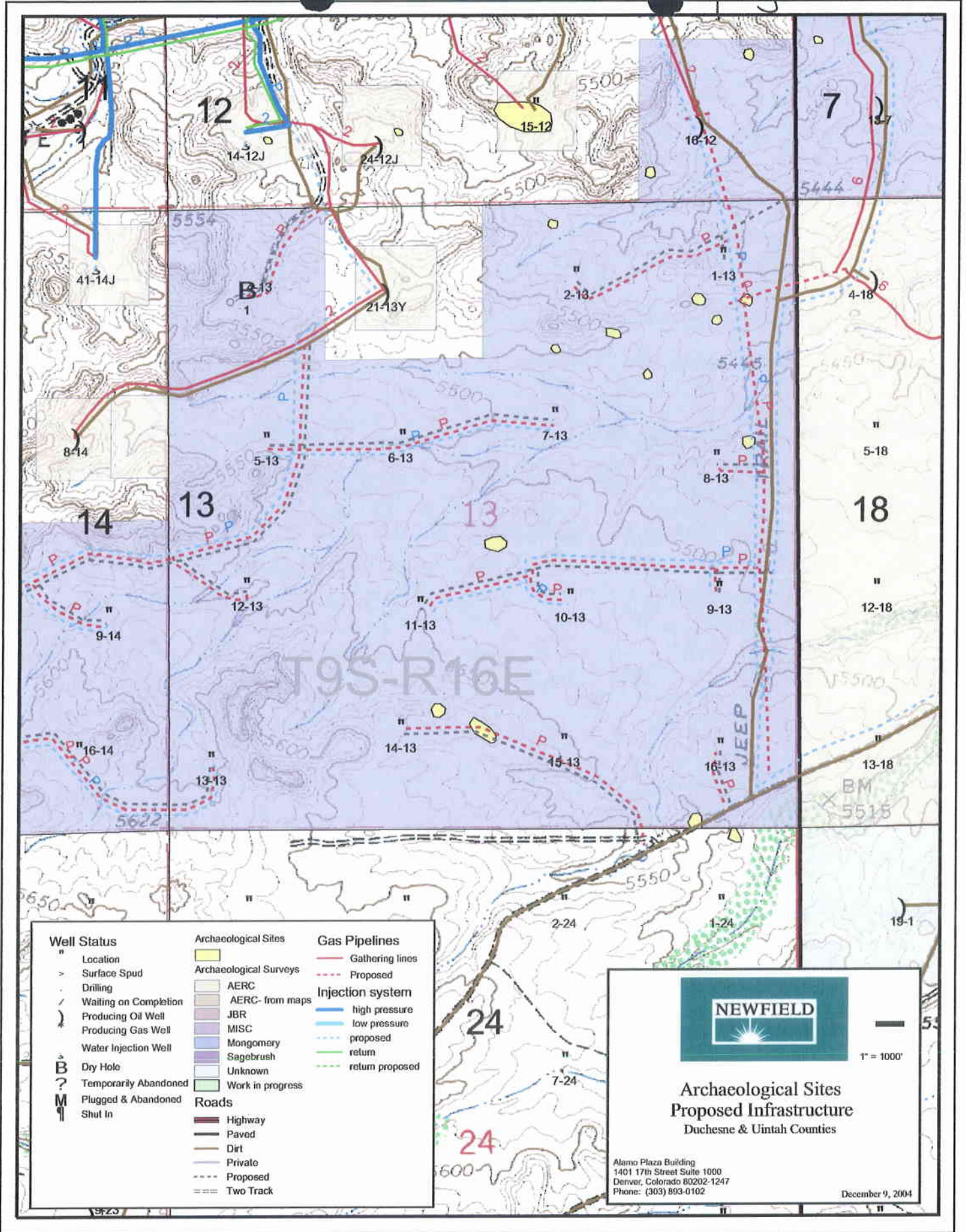
MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0328b





**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE & UTAH COUNTIES, UTAH**

Section 13, T 9 S, R 16 E [excluding NW 1/4];  
Section 11, T 9 S, R 18 E [excluding NW/SW, 12-11];  
Section 27, T 9 S, R 15 E [excluding NE/SW, 11-27]

**REPORT OF SURVEY**

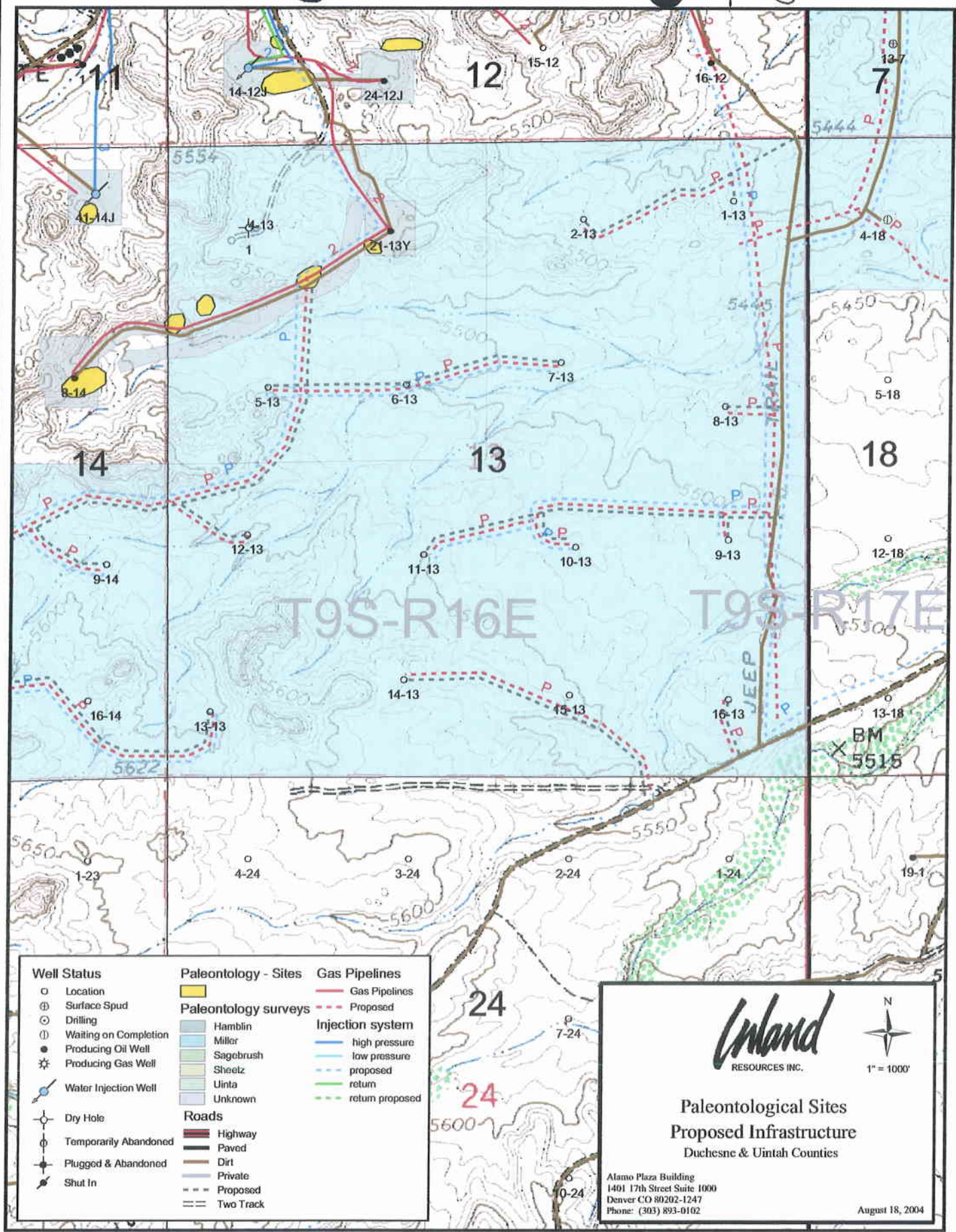
Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
April 7, 2004





**Well Status**

- Location
- ⊕ Surface Spud
- ⊙ Drilling
- ⊙ Waiting on Completion
- Producing Oil Well
- ⊙ Producing Gas Well
- ⊙ Water Injection Well
- ⊙ Dry Hole
- ⊙ Temporarily Abandoned
- ⊙ Plugged & Abandoned
- ⊙ Shut In

**Paleontology - Sites**

- Hamblin
- Miller
- Sagebrush
- Sheetz
- Uinta
- Unknown

**Roads**

- Highway
- Paved
- Dirt
- Private
- Proposed
- Two Track

**Gas Pipelines**

- Gas Pipelines
- Proposed
- Injection system
- high pressure
- low pressure
- proposed
- return
- return proposed



**Paleontological Sites  
Proposed Infrastructure  
Duchesne & Uintah Counties**

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver CO 80202-1247  
Phone: (303) 893-0102

August 18, 2004



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/14/2005

API NO. ASSIGNED: 43-013-32954

WELL NAME: FED 9-13T-9-16 (RIGSKID)

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 13 090S 160E

SURFACE: 2001 FSL 0660 FEL

BOTTOM: 2001 FSL 0660 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-64805

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02911

LONGITUDE: -110.0600

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_ R649-2-3.  
Unit \_\_\_\_\_  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_ R649-3-3. Exception  
\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
\_\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*Sip. Spacing Slip*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Slip*



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

SUBMIT IN TRIPlicate, Other Instructions on Reverse Side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1976 FSL 660 FEL  
NE/SE Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 9-13-9-16

9. API Well No.

4301332654

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 9/22/05 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csg to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 257'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 4810. Mud mtr came apart tried five attempts to catch fish with no success so we plugged it. Set first plug at 4774' to 3577' W/378 sks class "G" neat cmt mixed at 15.8 ppg POOH 26 stds of DP. Wait on cmt, RIH tag plug # 1 at 3577' lay down 2058' of DP.R/U & set plug # 2 at 1519' to 1084'W/184 sks class "G" neat cmt mixed at 15.8 ppg POOH W/ 10 stds and wait on cmt. TIH 10 stds no plug R/U BJ pump plug # 3 at 1519' to 910' W/ 211 sks of class "G" neat cmt mixed at 15.8 ppg POOH 14 stds to 886' and then lay down 886' of DP, and RIH W/ 8 stds of DP and lay them down. Then RIH W/6 stds of DP set # 4 at 379' to surf., W/ 130 sks of class "G" neat cmt mixed at 15.8 ppg. Union # 14 released at 3:00 AM on 9/30/05. On 10/8/05, RIH W/80' 1" pipe to top out well W/50 sks Class "G" cmt mixed at 15.8 ppg, lay down 1" pipe. Dig down, cut off well head weld on dry hole marker.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Alvin Nielsen

Signature

*Alvin Nielsen*

Title

Drilling Foreman

Date

10/19/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

OCT 20 2005

DIV. OF OIL, GAS & MINING



33.	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cased intervals, and all drill-stem tests, including depth interval tested, cushion used, time took open, flowing and shut-in pressures, and recoveries).	GEOLOGIC MARKERS			
		FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
		</			

RECEIVED

NOV 08 2005

DIV. OF OIL, GAS &amp; MINING

FAX COVER SHEET

**NEWFIELD**

Route #3 Box 3630  
Mylon, Utah 84052  
(435) 646-4825, FAX: (435) 646-3031

DATE: June 16, 2005  
TO: Carol Daniels  
COMPANY: State of Utah DOGM  
FAX NUMBER: 1-801-359-3940  
FROM: Mandie Crozier

NUMBER OF PAGES (INCLUDING COVER SHEET): 3

---

**Competition Report 9-13-9-16:**

The original was done on 10/21/05.  
Let me know if you need anything else.

Thanks.

RECEIVED  
NOV 08 2005  
DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 8, 2005

Newfield Production Company  
Route #3 Box 3630  
Myton, UT 84052

Re: Federal 9-13T-9-16 Well, 2001' FSL, 660' FEL, NE SE, Sec. 13, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32954.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

mf  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Federal 9-13T-9-16  
API Number: 43-013-32954  
Lease: UTU-64805

Location: NE SE      Sec. 13      T. 9 South      R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

#### 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FED 9-13T-9-16 (RIG SKID)

Api No: 43-013-32954 Lease Type: FEDERAL

Section 13 Township 09S Range 16E County DUCHESNE

Drilling Contractor LEON ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 11/09/05

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 11/17/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2696**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	15048	43-047-36077	FEDERAL 9-35-8-17	NESE	35	8S	17E	UINTAH	11/09/05	11/17/05
WELL 1 COMMENTS: <b>GRPV</b> - J											
A	99999	15049	43-013-32954	FEDERAL 9-13T-9-16	NESE	13	9S	16E	DUCHESNE	11/09/05	11/17/05
WELL 2 COMMENTS: <b>GRPV</b> - J											
A	99999	15050	43-047-36079	FEDERAL 14-35-8-17	SESW	35	8S	17E	UINTAH	11/10/05	11/17/05
WELL 3 COMMENTS: <b>GRPV</b> - J											
A	99999	15051	43-047-36078	FEDERAL 11-35-8-17	NESW	35	8S	17E	UINTAH	11/14/05	11/17/05
WELL 4 COMMENTS: <b>GRPV</b> - J											
A	99999	15052	43-047-35733	STATE 1-2-9-18	NENE	2	9S	18E	UINTAH	11/15/05	11/17/05
WELL 5 COMMENTS: <b>GRPV</b> - J											
A	99999										
WELL 6 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entry for new well (single well only)
- B - Add new well to existing entry (group or unit well)
- C - Re-assign well from one existing entry to another existing entry
- D - Re-assign well from one existing entry to a new entry
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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NOV 16 2005

DIV. OF OIL, GAS & MINING

Signature Kim Kettle Kim Kettle  
Production Clerk  
Date November 16, 2005

11/16/2005 10:19

4356463031

INLAND

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2001 FSL 660 FEL

NE/SE Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 9-13T-9-16 (Rig Skid)

9. API Well No.

4301332954

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11-9-05 MIRU Ross Rig # 24. Spud well @ 8:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.06' KB On 11/11/05 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 1.5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Troy Zufelt

Title

Drilling Foreman

Signature

Date

11/18/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

NOV 22 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 320.06

LAST CASING 8 5/8" SET AT 320.06'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 315' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 9-13T-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 38.29'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	308.21
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			310.06
TOTAL LENGTH OF STRING		310.06	8	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			320.06
TOTAL		308.21	8	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		301.46	8				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud 11/9/2005	8:00 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		11/10/2005	2:00 PM	Bbls CMT CIRC TO SURFACE			1.5
BEGIN CIRC		11/11/2005	12:52 AM	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN PUMP CMT		11/11/2005	12:55 AM				N/A
BEGIN DSPL. CMT		11/11/2005	1:18 PM	BUMPED PLUG TO			NO PSI
PLUG DOWN		11/11/2005	1:22 PM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE \_\_\_\_\_ DATE \_\_\_\_\_



## DRILLING REPORT

WELL NAME Federal 9-13T-9-16 Report Date November 18, 2005 Days Since Spud 01  
TD 315' Footage 315' Frmtn            PO WOC Rig Ross Rig # 24

### MUD PROPERTIES

WT Air VIS            WL            FC            CHLORIDES            DAILY            CUM             
OIL            SLDS            SD            CALCIUM            PV            YP            GEL           

### WATER USED (BBLs)

### BIT RECORD

CUM ROTATING HRS:           

BIT #            SIZE            TYPE            SER #            JETS            HRS            FT.            OUT @            GR.             
BIT #            SIZE            TYPE            SER #            JETS            HRS            FT.            OUT @            GR.             
WEIGHT ON BIT            ROTARY RPM            BHA            FT CONSISTS OF           

### DEVIATION

### HYDRAULICS

PUMP #1: LINERS            STROKE            SPM            PRESS 190 Gals/Min.            JET VEL:            BIT HHP:             
PUMP #2: LINERS            STROKE            SPM            PRESS            ANN VEL, DP:            DC:           

### DRILLING GAS

AVG UNITS            MAX UNITS            CONNECT GAS            TRIP GAS             
DRLG BREAK/SHOWS:                                 

### DAILY MUD MATERIALS

PHP            cups  
Poly            qts  
Lime            sacks  
Treat O Clay            gals.

### CHRONOLOGICAL OPERATIONS

11/9/05 HRS Spud well 11/9/05 @ 8:00 am With Ross Rig # 24  
           HRS Drill 315' of 12 1/4" hole. PU & MU 8 jt's 85/8" csg set @ 320.06'/KB  
           HRS             
11/11/2005 HRS Cement w/ 160 sks. Class G w/ 2% CaCL + 1/4# / sk Cello-Flake.  
           HRS Mixed @ 15.8 ppg & 1.17 cf/sk yeild. Returned 1.5 bbls cement to pit.  
           HRS             
           HRS             
           HRS             
           HRS             
           HRS             
           HRS             
           HRS             
           HRS             
           HRS           

CUM MUD COST:           

### DAILY COST SUMMARY

Ross Rig # 24 7,350  
IPC supervision 300  
Monk's location 10,300  
Oee-Arch-Srvy 7,500  
BJ cementing 4,081  
85/8CSGW/CON. 5,113  
WHI csgn head 800  
Float equip 550  
RNI wtr trk 300

PROG TD @ 315' EXPECTED @           

DRILLING SUPERVISOR           

DAILY COST: \$36,294

TOTAL COST: \$36,294

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2001 FSL 660 FEL

NE/SE Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 9-13T-9-16

9. API Well No.

4301332954

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Rig Skid _____
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Due to problems associated with drilling the original well (the 9-13-9-16) was drilled and subsequently abandoned. Newfield proposed to skid over 25' to the north from where the original well had been drilled and twin the now Plugged and Abandoned well.

Verbal approval was given on 10/21/05 by Byron Tolamal (BLM Vernal Field Office).

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

11/22/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on reverse)

**RECEIVED**

**NOV 23 2005**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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FEDERAL 9-13T-9-16

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	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/18/05 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 246'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 4,779. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 109 jt's of 5.5 J-55, 15.5# csgn. Set @ 4773' / KB. Cement with 160 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers but 5 bbls returned to pit. Nipple down Bop's. Drop slips @80,000 #'s tension. Release rig 89:30 PM 11/23/05

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Alvin Nielsen

Title

Drilling Foreman

Signature

*Alvin Nielsen*

Date

11/23/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**NOV 30 2005**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

**5 1/2"**

CASING SET AT

**4773.93**

Flt clr @ 4730.39

LAST CASING 8 5/8" SET / 312'

OPERATOR **Newfield Production Company**

DATUM 12' KB

WELL **Federal 9-13T-9-16**

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT **Monument Butte**

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # **Union #14**

TD DRILLER **4779** Loggers TD 4783

HOLE SIZE **7 7/8"**

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3684' (6.34')					
109	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	4716.39
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.29
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			4775.93
TOTAL LENGTH OF STRING		4775.93	110	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		1204.48	28	CASING SET DEPTH			<b>4773.93</b>
TOTAL		5965.16	138	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5965.16	138				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		11/23/2005	11:30 AM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		11/23/2005	3:00 PM	Bbls CMT CIRC TO SURFACE <u>All spacers but 5 bbl returned</u>			
BEGIN CIRC		11/23/2005	3:00 PM	RECIPROCATED PIPE FOR <u>No</u> <u>THRU</u> <u>FT</u> STROKE			
BEGIN PUMP CMT		11/23/2005	3:47 PM	DID BACK PRES. VALVE HOLD ? <u>YES</u>			
BEGIN DSPL. CMT		11/23/2005	4:29 PM	BUMPED PLUG TO <u>1900</u> <u>PSI</u>			
PLUG DOWN		11/23/2005	4:49 PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE

**Alvin Nielsen**

DATE **11/23/2005**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2001 FSL 660 FEL

NE/SE Section 13 T9S R16E

5. Lease Serial No.

UTU64805

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 9-13T-9-16

9. API Well No.

4301332954

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

12/21/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

**RECEIVED**

(Instructions on reverse)

DEC 22 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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Myton, UT 84052

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435.646.3721

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2001 FSL 660 FEL

NE/SE Section 13 T9S R16E

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UTU64805

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FEDERAL 9-13T-9-16

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4301332954

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Monument Butte

11. County or Parish, State

Duchesne, UT

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

COPY SENT TO OPERATOR  
DATE: 1-20-06  
INITIALS: CM

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

12/21/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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Accepted by  
Utan Division of  
Oil, Gas and Mining  
Date: 12/30/05

Federal Approval Of This  
Action Is Necessary  
Date

RECEIVED

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(Instructions on reverse)

By:

DIV. OF OIL, GAS & MINING  
DEC 22 2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

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☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

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2001 FSL 660 FEL

NE/SE Section 13 T9S R16E

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8. Well Name and No.

FEDERAL 9-13T-9-16

9. API Well No.

4301332954

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Monument Butte

11. County or Parish, State

Duchesne, UT

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 12/08/05 - 12/20/05

Subject well had completion procedures initiated in the Green River formation on 12-08-05 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (4666'-4674'); Stage #2 (4572'-4580'); Stage #3 (4031'-4037'); Stage #4(3938'-3946'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 12-16-2005. Bridge plugs were drilled out and well was cleaned to 4728'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12-20-2005.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Lana Nebeker

Title

Production Clerk

Signature

Date

01/05/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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(Instructions on reverse)

RECEIVED

JAN 09 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. UTU-64805	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Newfield Exploration Company		7. UNIT AGREEMENT NAME NA	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202		8. FARM OR LEASE NAME, WELL NO. Federal 9-13T-9-16	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 2001' FSL & 660' FEL (NE/SE) Sec. 13, T9S, R16E At top prod. Interval reported below		9. WELL NO. 43-013-32954	
10. FIELD AND POOL OR WILDCAT Monument Butte		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T9S, R16E	
12. COUNTY OR PARISH Duchesne		13. STATE UT	
14. API NO. 43-013-32954		DATE ISSUED 11/8/05	
15. DATE SPUDDED 11/9/05		16. DATE T.D. REACHED 11/21/05	
17. DATE COMPL. (Ready to prod.) 12/20/05		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5502' GL 5512' KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4779'	
21. PLUG BACK T.D., MD & TVD 4728'		22. IF MULTIPLE COMPLEMENTS HOW MANY* ----->	
23. INTERVALS DRILLED BY ----->		24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 3938'-4674'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED: <i>Mandie Crozier</i> Regulatory Specialist	

RECEIVED

FEB 09 2006

DIV. OF OIL, GAS &amp; MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof: cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					MEAS. DEPTH	TRUE VERT. DEPTH	
			Well Name Federal 9-13T-9-16	Garden Gulch Mkr	3482'		
				Garden Gulch 1	3686'		
				Garden Gulch 2	3802'		
				Point 3 Mkr	4070'		
				X Mkr	4315'		
				Y-Mkr	4348'		
				Douglas Creek Mkr	4472'		
				BiCarbonate Mkr	4712'		
				B Limestone Mkr	4783'		
				Castle Peak			
				Basal Carbonate			
				Total Depth (LOGGERS)	4779'		

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FED 9-13T-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2001 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013329540000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/27/2013</b>	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input checked="" type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input checked="" type="checkbox"/> CONVERT WELL TYPE
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE
	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 08/23/2013. On 08/26/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/27/2013 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 950 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: September 12, 2013

By: 

NAME (PLEASE PRINT)

Lucy Chavez-Naupoto

PHONE NUMBER

435 646-4874

TITLE

Water Services Technician

SIGNATURE

N/A

DATE

8/29/2013

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/27/13 Time 9:00 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: FEDERAL 9-13T-9-14

Field: MONUMENT BUTTE

Well Location: NESE Sec 13 T9S R10E  
Duchesne County, UT

API No: 43-013-32954

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1240</u>	psig
5	<u>1240</u>	psig
10	<u>1240</u>	psig
15	<u>1240</u>	psig
20	<u>1240</u>	psig
25	<u>1240</u>	psig
30 min	<u>1240</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 950 psig

Result:

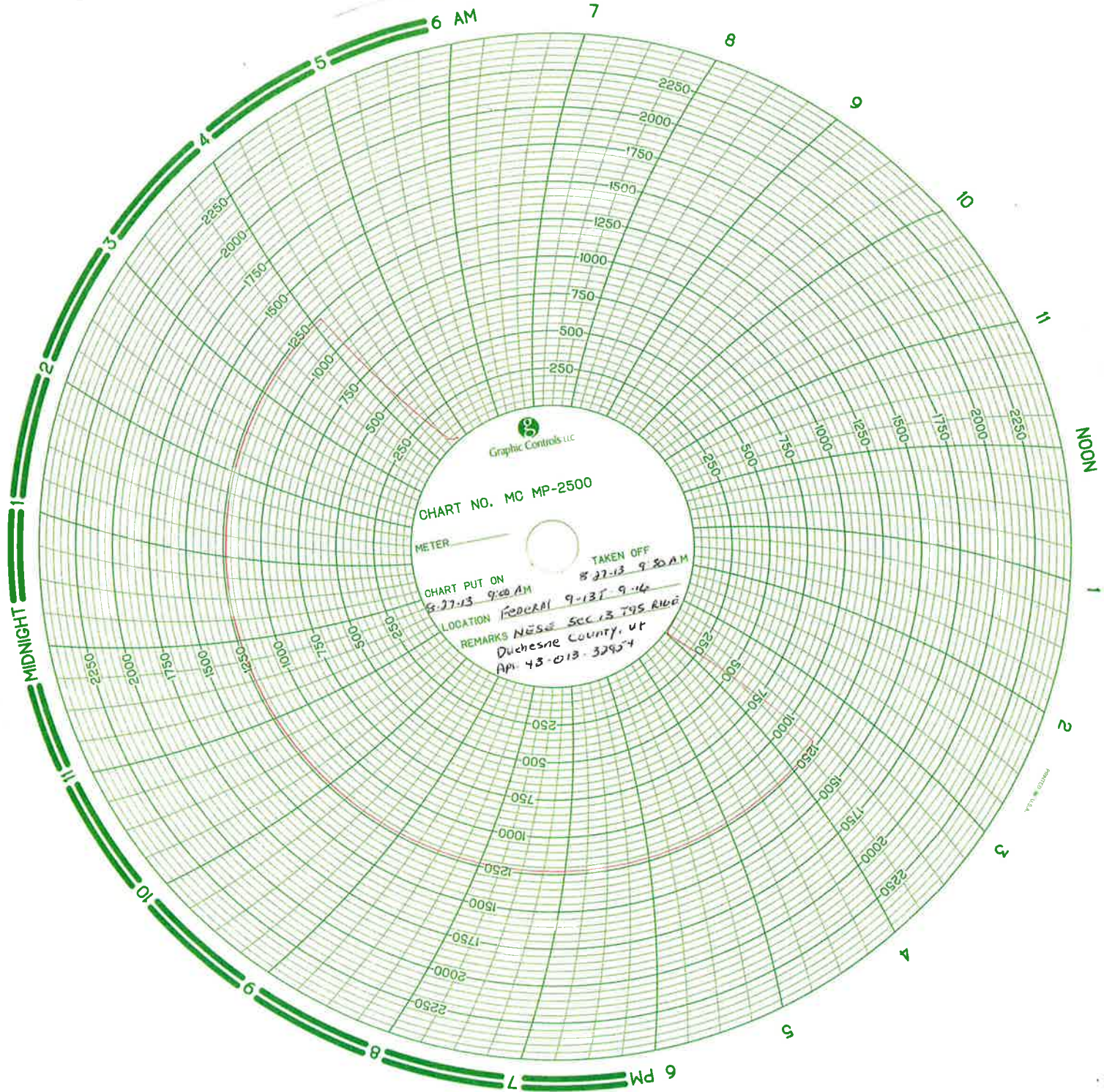
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh







## Daily Activity Report

Format For Sundry

**FEDERAL 9-13T-9-16**

**6/1/2013 To 10/30/2013**

**8/20/2013 Day: 1**

**Conversion**

WWS #9 on 8/20/2013 - MIRUSU - Ck pres on 6-28-8-17. 1600 psi good. Do MIT good. Rig down move to Federal 9-13T-9-16. Rig up 11:00am. Wait for Zubiate tnk. 12:00pm pump 60bbls down csg w/ 1200 psi @ 250 deg. 13:04pm wells flowing to tnk. Rec. 180bbls still flowing , pump another 60 bbls down csg. 15:00pm leave tbg flowing to Zub tnk. 15:45 tbg died. PU unseat pump, flush tbg w/ 30bbls @ 250 deg. Reseat pump fill tbg w/ 2bbls, test to 3000 psi, good. 16:00 start HO rods 100-3/4 guided. SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$10,212

---

**8/21/2013 Day: 2**

**Conversion**

WWS #9 on 8/21/2013 - CK pres, flush tbg - Ck pres, 700psi, bleed off well flush tbg w/ 30 bbls @ 250 deg. 7:30 am cont LO rods. 8:15 am XO to tbg Eqp. ND wh, Pu on tbg, release Tvac. Nu BOPs, RD floor. 9:45 am TooH w/ tbg breaking collars & talley. 117 jts LD 26 extra jts. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$16,460

---

**8/22/2013 Day: 3**

**Conversion**

WWS #9 on 8/22/2013 - Set Packer, test csg. - Bleed well off. PU RIH w/ 2 7/8" retrieving H. 1- 2 3/8" xn- nipple, 1- 4"x 2 3/8" pup jnt, 1- 5 1/2" arrow. Set pkr on-off tool, new PSN, 117 jts 2 7/8" tbg J-55. 9:00 am wait on standing valve. 9:45 am pump 5bbls drop SV. Circ down w/ 18 bbls. Pres up to 3000 psi watch 30 mins, 11:00 to 11:30 am, good bleed off. Rig up RIH w/ sandline, retrieve SV, PooH. 12:45 pm RD floor, ND BOPs. Hand tbg w/ inj tree, pump 65 bbls pkr fluid w/ fresh wtr. 1400 PU set pkr @ 3886' w/ 15000 tension. Land on inj tree PSN @ 3880' Eot @ 3896'. Pres up csg @ 14:23 to 1500 psi, watch 30 mins lost 80 psi. Well head was leaking where it screws onto csg. PU on tbg to 16:45, good. RD ck pres in morning.

**Daily Cost:** \$0

**Cumulative Cost:** \$30,623

---

**8/23/2013 Day: 4**

**Conversion**

WWS #9 on 8/23/2013 - Ck pres, retorque connections. Test again. - Ck pres 100 psi, lost 400lbs overnight. Pres up to 1500 psi, watch until 9:30 am. Losing 50 psi every 1/2 hr. ND wh, NU BOPs RD floor. 10:30 am TooH w/ tbg, 117 jts. Pkr looks good. 12:15 pm TIH retorquing each connection. 13:43 Rd floor, ND BOPs. Pump 65 bbls pkr fluid PU set pkr. 14:45 NU wh pres up to 1500 psi, watch 30 mins lost 50 psi. Bleed off, pres back up to 1500 psi. 15:55 to 17:00 lost 80 psi. Ck pres in morning. SWIFN.

**Daily Cost:** \$0

**Cumulative Cost:** \$37,758

---

**8/26/2013 Day: 5**

**Conversion**

WWS #9 on 8/26/2013 - Ck pres, csg still leaking. - Ck pres, csg still leaking. ND WH, release pkr, NU BOPs, RD floor. Drop SV circ down w/ 10 bbls, pre up to 3000 psi watch 30 mins. 9:00 am to 9:45 am, good test. Bleed off pres. RIH retrieve SV, PooH. Rig up tongs TooH w/ tbg. 10:25 am 60 jts set pkr @ 1850, pres up csg to 1500 psi. Watch 30 mins 11:00 am to 11:30 am. Still leaking. Cont TooH change 5-1/2" Pkr, SN, On-Off tool. 12:41 TIH w/ 117 jts. 13:45 pm drop SV circ down w/ 10 bbls pres up to 3000 psi. 14:05 to 14:35 pm, good. Bleed off pres. RIH retrieve SV PooH, RD floor, ND BOPs. 15:35 pump pkr fluid w/ 60 bbls fresh wtr. PU set pkr, land w/ injection tree. Pres up csg to 1500 psi @ 16:14.

**Daily Cost:** \$0

**Cumulative Cost:** \$45,043

---

**8/28/2013 Day: 6**

**Conversion**

Rigless on 8/28/2013 - Conduct initial MIT - On 08/26/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/27/2013 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 950 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$77,255

---

**Pertinent Files: [Go to File List](#)**

Spud Date: 11/9/05  
 Put on Production: 12/20/05  
 GL: 5502' KB: 5512'

## Federal 9-13T-9-16

Initial Production: ~4 BOPD,  
 84 MCFD, 7 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts, (310.06')  
 DEPTH LANDED: 320.06' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 110 jts, (4775.93')  
 DEPTH LANDED: 4773.93' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 325 sks Prem. Lite II mixed & 450 sks 50/50 POZ mix.  
 CEMENT TOP AT: 554'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 117 jts (3870.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3880.3' KB  
 ON/OFF TOOL AT: 3881.4'  
 ARROW #1 PACKER CE AT: 3886.58'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3890.4'  
 TBG PUP 2-3/8 J-55 AT: 3891'  
 X/N NIPPLE AT: 3895.1'  
 TOTAL STRING LENGTH: EOT @ 3896.63'

#### FRAC JOB

12/16/05 4666'-4674' **Frac C sands as follows:**  
 68,278#s of 20/40 sand in 535 bbls lightning  
 17 frac fluid. Treated @ avg press of 1693,  
 w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc  
 flush: 4664 gal. Actual flush: 4200 gal.

12/16/05 4572'-4580' **Frac D2 sands as follows:**  
 79,385#s of 20/40 sand in 586 bbls lightning  
 17 frac fluid. Treated @ avg press of 1800,  
 w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc  
 flush: 4570 gal. Actual flush: 4074 gal.

12/16/05 4031'-4037' **Frac GB6 sands as follows:**  
 18,981#s of 20/40 sand in 253 bbls  
 lightning 17 frac fluid. Treated @ avg press  
 of 1950, w/avg rate of 24.7 bpm. ISIP 1800  
 psi. Calc flush: 4029 gal. Actual flush: 3586  
 gal.

12/16/05 3938'-3946' **Frac GB4 sands as follows:**  
 35,084#s of 20/40 sand in 358 bbls  
 lightning 17 frac fluid. Treated @ avg press  
 of 1760, w/avg rate of 24.7 bpm. ISIP 2200  
 psi. Calc flush: 3936 gal. Actual flush: 3864  
 gal.

07-17-06 **Pump Change. Rod & Tbg Detail Updated.**  
 08/23/13 **Convert to Injection Well**  
 08/27/13 **Conversion MIT Finalized** - update tbg  
 detail

SN @ 3880'  
 On Off Tool @ 3881'  
 Packer @ 3887'  
 X/N Nipple @ 3895'  
 EOT @ 3897'  
 3938'-3946'  
 4031'-4037'  
 4572'-4580'  
 4666'-4674'  
 PBTD @ 4728'  
 TD @ 4779'

#### PERFORATION RECORD

12/16/05	3938'-3946'	4 ISPF	32 holes
12/16/05	4031'-4037'	4 ISPF	24 holes
12/16/05	4572'-4580'	4 ISPF	32 holes
12/15/05	4666'-4674'	4 ISPF	32 holes



**Federal 9-13T-9-16**  
 2001' FSL & 660' FEL  
 NE/SE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32954; Lease #UTU-64805

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FED 9-13T-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2001 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013329540000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/24/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The above reference well was put on injection at 8:00 AM on 09/24/2013.</p> </div> <div style="width: 35%; text-align: center;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>September 25, 2013</p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/24/2013	

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

April 11, 2013

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #9-13T-9-16  
Monument Butte Field, Lease #UTU-64805  
Section 13-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #9-13T-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg  
Environmental Manager

RECEIVED

APR 12 2013

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #9-13T-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-64805**  
**APRIL 11, 2013**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Federal #9-13T-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-64805  
Well Location: QQ NESE section 13 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? ..... Yes ☒ No ☐

Disposal? ..... Yes ☐ No ☒

Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☐ No ☒

Date of test: \_\_\_\_\_

API number: 43-013-32954

Proposed injection interval: from 3801 to 4728  
Proposed maximum injection: rate 500 bpd pressure 1774 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg

Signature 

Title Environmental Manager

Date 4/11/13

Phone No. (303) 893-0102

(State use only)

Application approved by \_\_\_\_\_ Title \_\_\_\_\_

Approval Date \_\_\_\_\_

Comments:



# Federal 9-13T-9-16

Spud Date: 11/9/05  
Put on Production: 12/20/05  
GL: 5502' KB: 5512'

## Proposed Injection Wellbore Diagram

Initial Production: -4 BOPD,  
84 MCFD, 7 BWPD

### SURFACE CASING

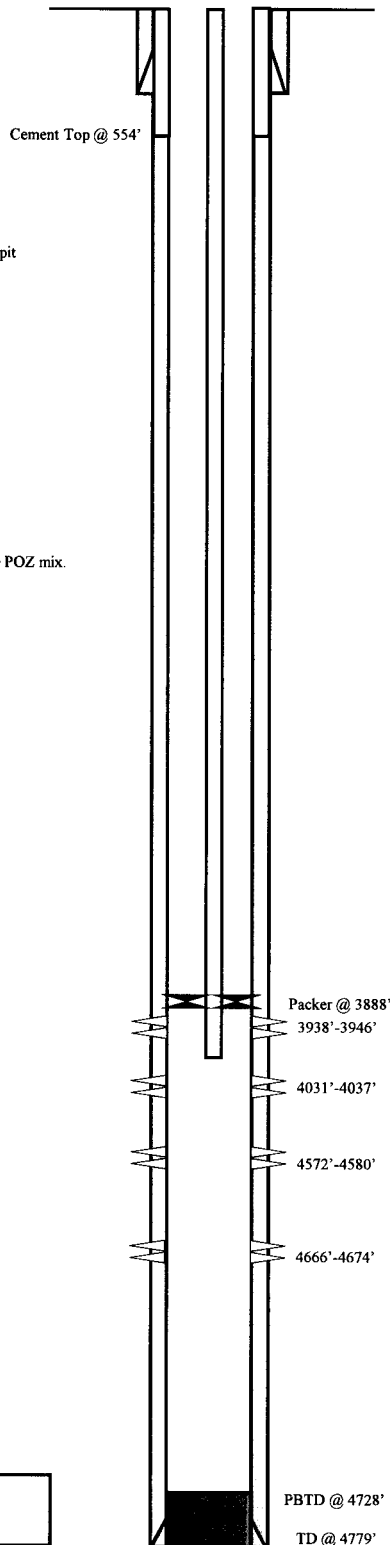
CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts. (310.06')  
DEPTH LANDED: 320.06' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

### PRODUCTION CASING

CSG SIZE: 5 1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 110 jts. (4775.93')  
DEPTH LANDED: 4773.93' KB  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
CEMENT TOP AT: 554'

### TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 141 jts (4629.46')  
TUBING ANCHOR: 4639.26' KB  
NO. OF JOINTS: 1 jts (32.33')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 4674.39' KB  
NO. OF JOINTS: 1 jts (33.40')  
"Collar sized" Gas Anchor (5.00')  
NO. OF JOINTS: 3 jts (100.22')  
TOTAL STRING LENGTH: 4709.34' w/ 10' KB



### FRAC JOB

12/16/05 4666'-4674' **Frac C sands as follows:**  
68,278#s of 20/40sand in 535 bbls lightning  
17 frac fluid. Treated @ avg press of 1693,  
w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc  
flush: 4664 gal. Actual flush: 4200 gal.

12/16/05 4572'-4580' **Frac D2 sands as follows:**  
79,385#s of 20/40 sand in 586 bbls lightning  
17 frac fluid. Treated @ avg press of 1800,  
w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc  
flush: 4570 gal. Actual flush: 4074 gal.

12/16/05 4031'-4037' **Frac GB6 sands as follows:**  
18,981#s of 20/40 sand in 253 bbls  
lightning 17 frac fluid. Treated @ avg press  
of 1950, w/avg rate of 24.7 bpm. ISIP 1800  
psi. Calc flush: 4029 gal. Actual flush: 3586  
gal.

12/16/05 3938'-3946' **Frac GB4 sands as follows:**  
35,084#s of 20/40 sand in 358 bbls  
lightning 17 frac fluid. Treated @ avg press  
of 1760, w/avg rate of 24.7 bpm. ISIP 2200  
psi. Calc flush: 3936 gal. Actual flush: 3864  
gal.

07-17-06 Pump Change. Rod & Tubing Detail Updated.

### PERFORATION RECORD

12/16/05	3938'-3946'	4 JSPF	32 holes
12/16/05	4031'-4037'	4 JSPF	24 holes
12/16/05	4572'-4580'	4 JSPF	32 holes
12/15/05	4666'-4674'	4 JSPF	32 holes

## NEWFIELD

Federal 9-13T-9-16  
2001' FSL & 660' FEL  
NE/SE Section 13-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32954; Lease #UTU-64805

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #9-13T-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

- 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #9-13T-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3801' - 4728'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever is shallower. The Garden Gulch Marker top is at 3841' and the TD is at 4779'.

- 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #9-13T-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-64805) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 320' KB, and 5-1/2", 15.5# casing run from surface to 4774' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1774 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #9-13T-9-16, for existing perforations (3938' - 4666') calculates at 0.88 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1774 psig. We may add additional perforations between 3841' and 4779'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #9-13T-9-16, the proposed injection zone (3801' - 4728') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-15.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

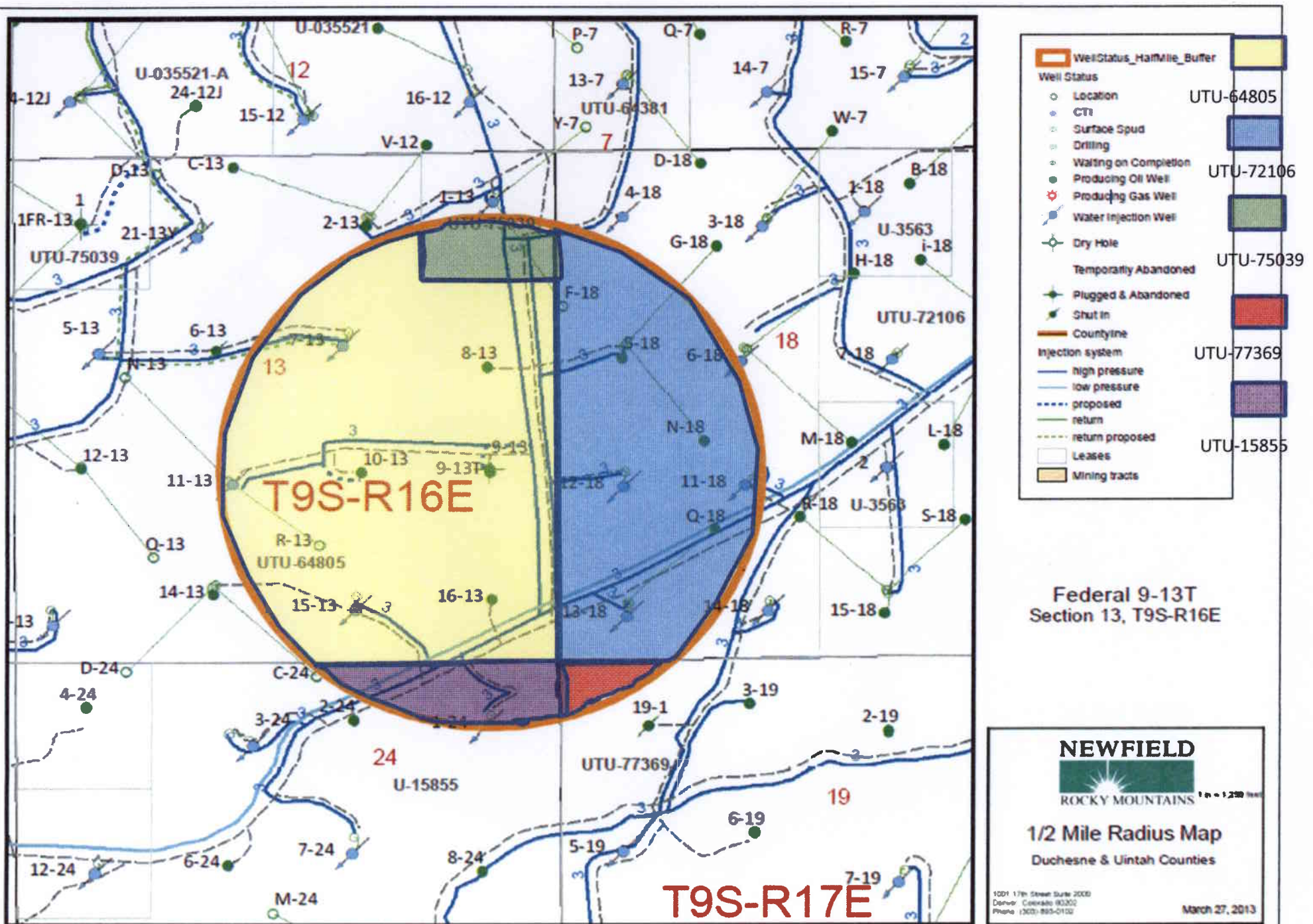
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

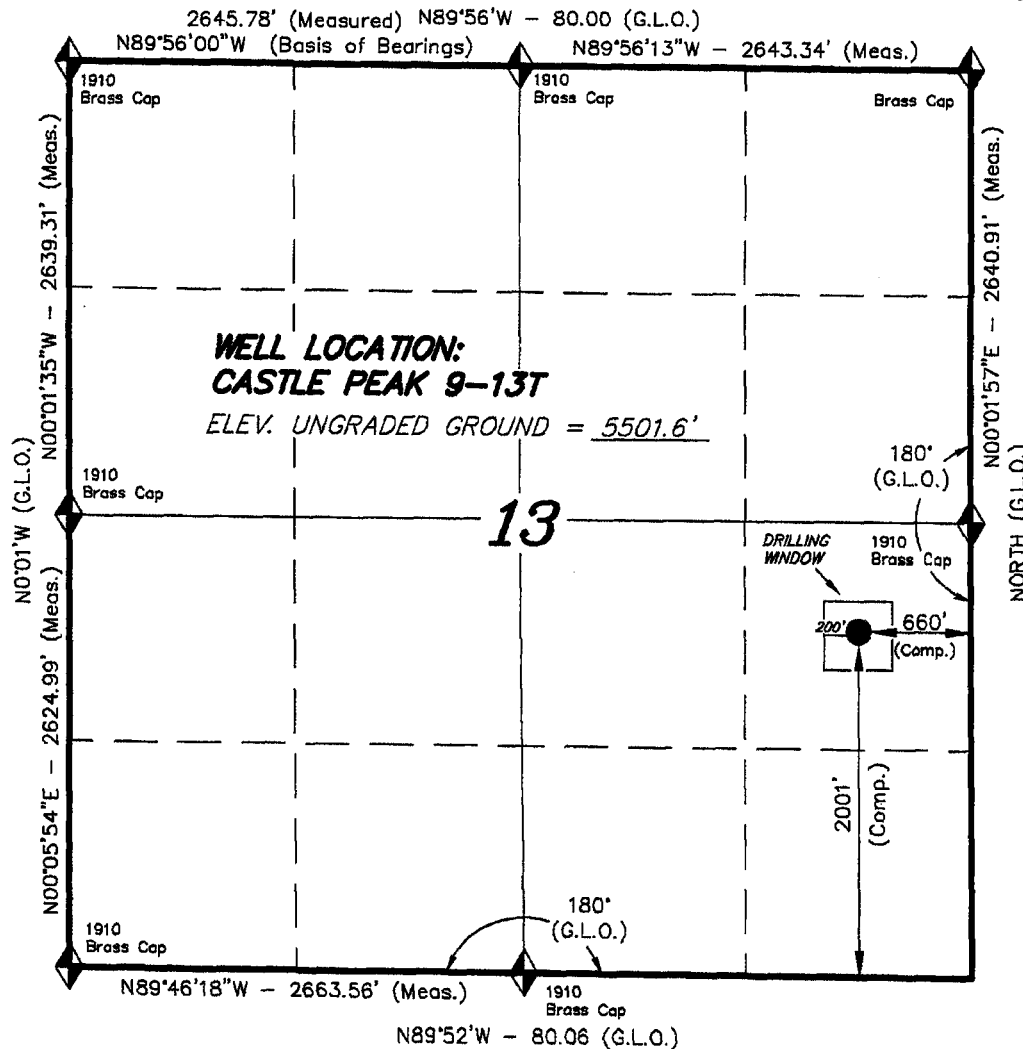
Newfield Production Company will supply any requested information to the Board or Division.

# ATTACHMENT A



**T9S, R16E, S.L.B.&M.****NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, CASTLE PEAK 9-13T,  
LOCATED AS SHOWN IN THE NE 1/4 SE  
1/4 OF SECTION 13, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**NOTE:**

The Well Location bears  
S46°08'54"W 916.22' from the  
East 1/4 Corner of Section 13.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 10-10-05	DRAWN BY: F.T.M.
NOTES:	FILE #



**EXHIBIT B**


#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R17E SLM Section 7: E2SW, SE Section 17: N2, W2SE Section 18: NENE, S2NE, E2W2, NESE, S2SE , LOTS 1-4	USA UTU-72106 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R16E SLM Section 13: NENE, NWNW	USA UTU-75039 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	T9S-R17E SLM Section 19: All Section 20: S2NE, W2, SE	USA UTU-77369 HBP	Newfield Production Company Newfield RMI LLC	USA
5	T9S-R16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #9-13T-9-16

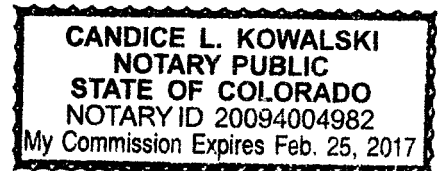
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Environmental Manager

Sworn to and subscribed before me this 11<sup>th</sup> day of April, 2013.

Notary Public in and for the State of Colorado: Candice L. Kowalski

My Commission Expires: My Commission Expires Feb. 25, 2017



## Federal 9-13T-9-16

Spud Date: 11/9/05  
 Put on Production: 12/20/05  
 GL: 5502' KB: 5512'

## Wellbore Diagram

Initial Production: -4 BOPD,  
 84 MCFD, 7 BWPD

SURFACE CASING

CSG SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (310.06')  
 DEPTH LANDED: 320.06' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

PRODUCTION CASING

CSG SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 110 jts. (4775.93')  
 DEPTH LANDED: 4773.93' KB  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 325 sks Prem. Lite II mixed & 450 sks 50/50 POZ mix.  
 CEMENT TOP AT: 554'

TUBING

SIZE/GRADE/WT.: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4629.46')  
 TUBING ANCHOR: 4639.26' KB  
 NO. OF JOINTS: 1 jts (32.33')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4674.39' KB  
 NO. OF JOINTS: 1 jts (33.40')  
 "Collar sized" Gas Anchor (5.00')  
 NO. OF JOINTS: 3 jts (100.22')  
 TOTAL STRING LENGTH: 4709.34' w/ 10' KB

SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-2" x 3/4" pony rods, 70-3/4" guided rods (all new), 110-3/4" Guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14' RHAC pump w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: Open hole, SP/GR/DIG,CBL

FRAC JOB

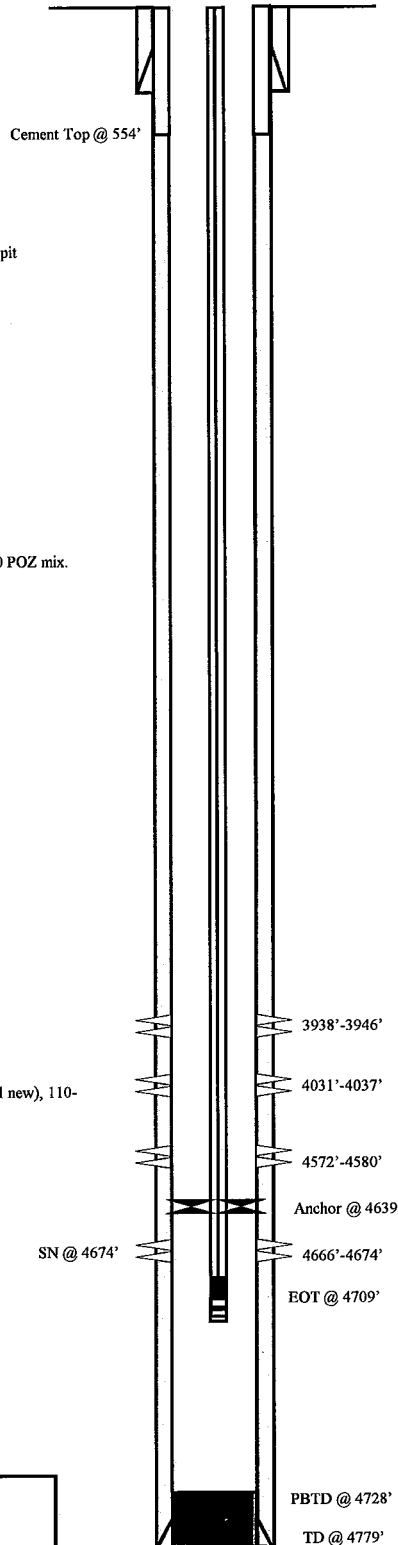
12/16/05 4666'-4674' **Frac C sands as follows:**  
 68,278#s of 20/40 sand in 535 bbls lightning 17 frac fluid. Treated @ avg press of 1693, w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc flush: 4664 gal. Actual flush: 4200 gal.

12/16/05 4572'-4580' **Frac D2 sands as follows:**  
 79,385#s of 20/40 sand in 586 bbls lightning 17 frac fluid. Treated @ avg press of 1800, w/avg rate of 24.7 bpm. ISIP 2100 psi. Calc flush: 4570 gal. Actual flush: 4074 gal.

12/16/05 4031'-4037' **Frac GB6 sands as follows:**  
 18,981#s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated @ avg press of 1950, w/avg rate of 24.7 bpm. ISIP 1800 psi. Calc flush: 4029 gal. Actual flush: 3586 gal.

12/16/05 3938'-3946' **Frac GB4 sands as follows:**  
 35,084#s of 20/40 sand in 358 bbls lightning 17 frac fluid. Treated @ avg press of 1760, w/avg rate of 24.7 bpm. ISIP 2200 psi. Calc flush: 3936 gal. Actual flush: 3864 gal.

07-17-06 Pump Change. Rod & Tubing Detail Updated.

PERFORATION RECORD

12/16/05	3938'-3946'	4 JSPF	32 holes
12/16/05	4031'-4037'	4 JSPF	24 holes
12/16/05	4572'-4580'	4 JSPF	32 holes
12/15/05	4666'-4674'	4 JSPF	32 holes

**NEWFIELD**

Federal 9-13T-9-16  
 2001' FSL & 660' FEL  
 NE/SE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32954; Lease #UTU-64805

## Federal 7-13-9-16

Spud Date: 09-26-05

Put on Production: 12-01-05

GL: 5549' KB: 5561'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (301.02')

DEPTH LANDED: 311.92' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts (5829.6')

DEPTH LANDED: 5875.35' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed &amp; 450 sxs 50/50 POZ.

CEMENT TOP AT: 390'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 122 jts (3958.5')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3970.5' KB

ON/OFF TOOL AT: 3971.6'

ARROW #1 PACKER CE AT: 3977'

XO 2-3/8 x 2-7/8 J-55 AT: 3980.4'

TBG PUP 2-3/8 J-55 AT: 3980.9'

X/N NIPPLE AT: 3985'

TOTAL STRING LENGTH: EOT @ 3986.36'

Casing Shoe @ 312'

TOC @ 390'

SN @ 3970'

On Off Tool @ 3972'

Packer @ 3977'

X/N Nipple @ 3985'

EOT @ 3986'

4043-4053'

5408-5415'

5654-5678'

5700-5711'

PBTB @ 5829'

TD @ 5880'

FRAC JOB

11-22-05 5654-5711'

**Frac CP4, & CP5 sands as follows:**  
124436# 20/40 sand in 875 bbls Lightning 17  
frac fluid. Treated @ avg press of 1400 psi  
w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc  
flush: 5652 gal. Actual flush: 5313 gal.

11-23-05 5408-5415'

**Frac CPI, sands as follows:**  
19462# 20/40 sand in 294 bbls Lightning 17  
frac fluid. Treated @ avg press of 1730 psi  
w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc  
flush: 5406 gal. Actual flush: 3990 gal.

11-23-05 4043-4053'

**Frac GB6 sands as follows:**  
47516# 20/40 sand in 457 bbls Lightning 17  
frac fluid. Treated @ avg press of 1613 psi  
w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc  
flush: 4041 gal. Actual flush: 3948 gal.

8/15/08

**Parted Rods.** Rod & tubing updated.

09-16-11

**Parted Rods.** Rods & tubing updated.

11/28/12

**Convert to Injection Well**

11/30/12

**Conversion MIT Finalized** – update tbg  
detailPERFORATION RECORD

11-17-05	5700-5711'	4 JSPF	44 holes
11-17-05	5654-5678'	4 JSPF	96 holes
11-22-05	5408-5415'	4 JSPF	28 holes
11-23-05	4043-4053'	4 JSPF	40 holes



**Federal 7-13-9-16**  
1807' FNL & 2034' FEL  
SW/NE Section 13-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32656; Lease #UTU-64805

## Federal 8-13-9-16

Spud Date: 09/02/05  
 Put on Production: 11/04/05  
 GL: 5479' KB: 5491'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (302.07')  
 DEPTH LANDED: 311.97' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4.6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5787.89')  
 DEPTH LANDED: 5801.4' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: 250'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4987.83')  
 TUBING ANCHOR: 4997.83' KB  
 NO. OF JOINTS: 1 jts (32.51')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5033.14' KB  
 NO. OF JOINTS: 2 jts (64.45')  
 TOTAL STRING LENGTH: EOT @ 5099.14' KB

SUCKER RODS

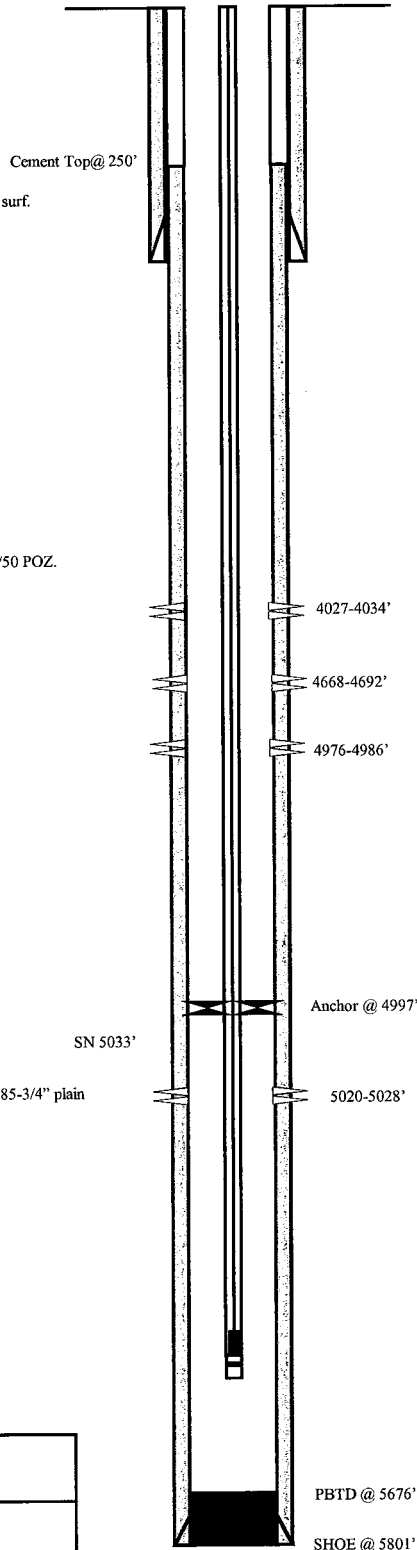
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4' x 3/4" pony rod, 99-3/4" scraped rods, 85-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, 5 SPM:

FRAC JOB

10/31/05	4976-5028'	<b>Frac A1 and A3 sands as follows:</b> 97607# 20/40 sand in 904 bbls Lightning 17 frac fluid. Treated @ avg press of 1826 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc flush: 4974 gal. Actual flush: 4956 gal.
11/01/05	4668-4692'	<b>Frac C sands as follows:</b> 28966# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 1530 psi w/avg rate of 24.7 BPM. ISIP 1800 psi. Calc flush: 4666 gal. Actual flush: 4662 gal.
11/01/05	4027-4034'	<b>Frac GB6 sands as follows:</b> 32224# 20/40 sand in 347 bbls Lightning 17 frac fluid. Treated @ avg press of 1698 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4025 gal. Actual flush: 3948 gal.

PERFORATION RECORD

10/31/05	5020-5028'	4 JSPF	32 holes
10/31/05	4976-4986'	4 JSPF	40 holes
11/01/05	4668-4692'	4 JSPF	96 holes
11/01/05	4027-4034'	4 JSPF	28 holes



NEWFIELD

Federal 8-13-9-16

2187' FNL &amp; 680' FEL

SE/NE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32655; Lease #UTU-64805

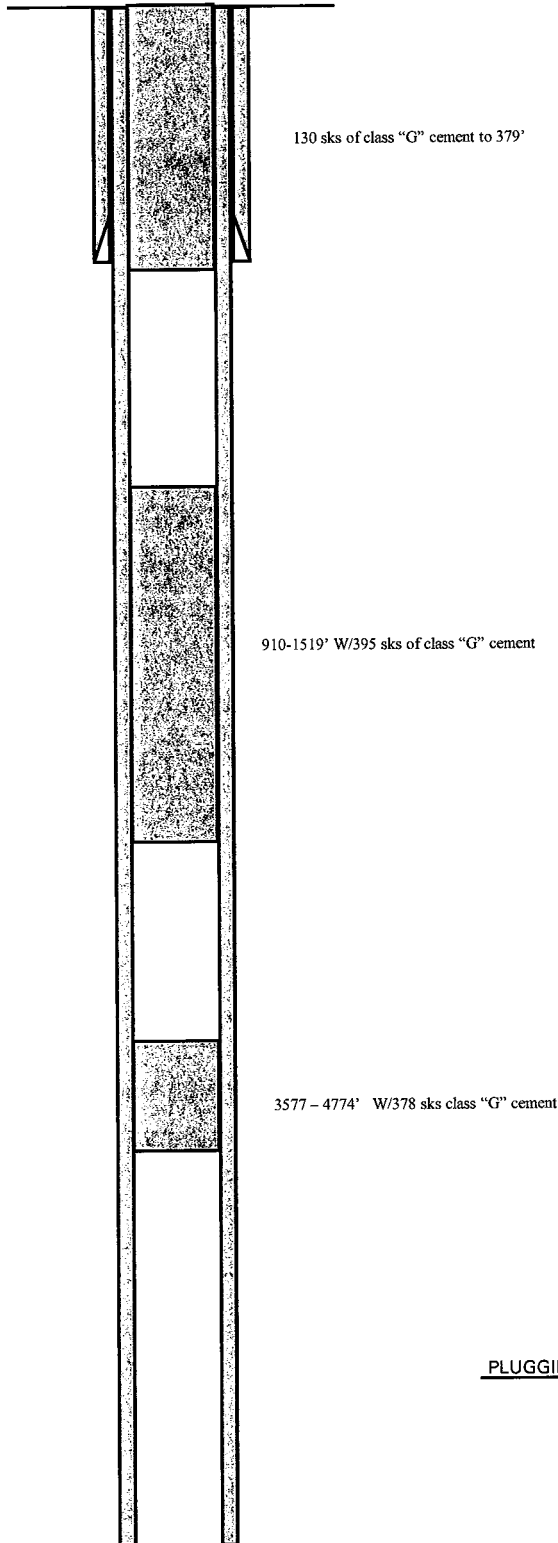
Spud Date: 8/31/05  
Plugged Date: 9/22/05

## Federal 9-13-9-16

P & A Diagram

### SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (298.45')  
DEPTH LANDED: 310.30' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit



PLUGGING PROCEDURE



**Federal 9-13-9-16**  
1976' FSL & 660' FEL (NE/SE)  
Sec.13, T9S, R16E  
Duchesne Co, Utah  
API #43-013-32654; Lease #UTU-64805



## Federal 10-13-9-16

Spud Date: 10/26/05  
Put on Production: 12/12/05  
GL: 5519' KB:5529'

Initial Production: BOPD 52,  
MCFD 25, BWPD 25

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302.45')  
DEPTH LANDED: 312.45' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sx Class "G" mixed cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 131 jts. (5786.4')  
DEPTH LANDED: 5784.4' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 356 sx Prem. Lite II mixed & 476 sx 50/50 POZ mix.  
CEMENT TOP AT: 120'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 166 jts (5338.64')  
TUBING ANCHOR: 5348.64' KB  
NO. OF JOINTS: 1 jt (32.60')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5384.04' KB  
NO. OF JOINTS: 2 jts (65.17')  
TOTAL STRING LENGTH: EOT @ 5450.76' w/ 10' KB'

#### SUCKER RODS

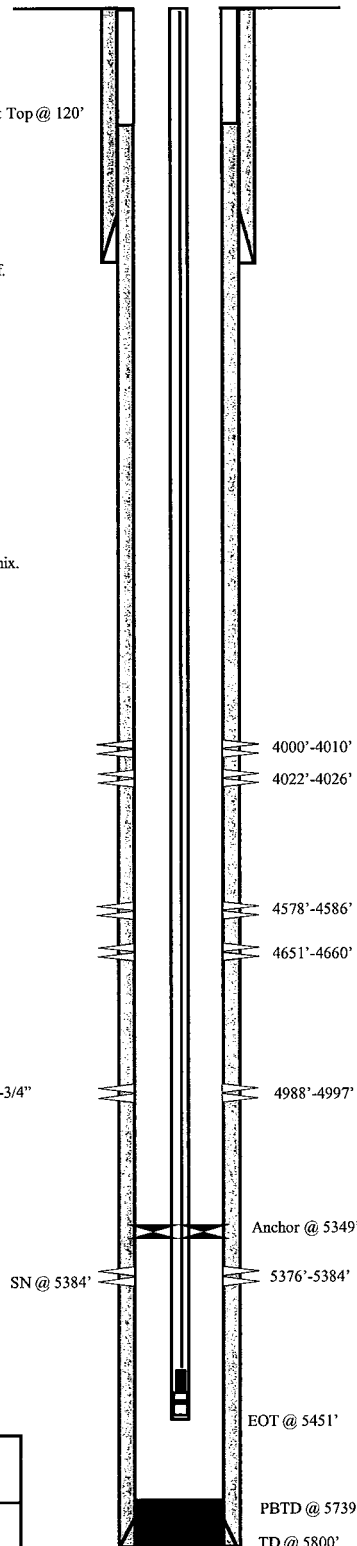
POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 1-2' x 3/4" pony rods, 100-3/4" scraped rods; 99-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods, .  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM Plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM  
LOGS: DIG/GR/SP/CAL

#### FRAC JOB

12/06/05	5819'-5826'	<b>Frac CP1 sands as follows:</b> 29,922# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 2034 psi w/avg rate of 25 BPM. ISIP 2140 psi. Calc flush: 5817 gal. Actual flush: 5082 gal.
12/06/05	4988'-4997'	<b>Frac LODC sands as follows:</b> 30,233# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2069 psi w/avg rate of 25 BPM. ISIP 2320 psi. Calc flush: 4986 gal. Actual flush: 4725 gal.
12/06/05	4578'-4660'	<b>Frac D2 &amp; C sands as follows:</b> 75,870# 20/40 sand in 574 bbls lightning Frac 17 fluid. Treated @ avg press of 2092 psi w/avg rate of 25 BPM. ISIP 2080 psi. Calc flush: 4576 gal. Actual flush: 4326 gal.
12/06/05	4000'-4026'	<b>Frac GB6 sands as follows:</b> 51,023# 20/40 sand in 430 bbls lightning Frac 17 fluid. Treated @ avg press of 1681 psi w/avg rate of 25.1 BPM. ISIP 1720 psi. Calc flush: 3998 gal. Actual flush: 3906 gal.

#### PERFORATION RECORD

11/30/05	5376'-5384'	4 JSPF	32 holes
12/06/05	4988'-4997'	4 JSPF	36 holes
12/06/05	4651'-4660'	4 JSPF	36 holes
12/06/05	4578'-4586'	4 JSPF	32 holes
12/06/05	4022'-4026'	4 JSPF	16 holes
12/06/05	4000'-4010'	4 JSPF	40 holes



**Federal 10-13-9-16**  
1971' FSL & 1917' FEL  
NW/SE Section 13-T9S-R16E  
Duchesne County, Utah  
API #43-013-32653; Lease #UTU-64805

## Federal 11-13-9-16

Spud Date: 10/31/05

Put on Production: 12/14/05

GL: 5444' KB:5454'

Initial Production: BOPD 51,  
MCFD 39, BWPD 28Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (296.83')

DEPTH LANDED: 306.83' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx Class "G" mixed cmt, est 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5791.7')

DEPTH LANDED: 5789.7' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sx Prem. Lite II mixed &amp; 450 sx 50/50 POZ mix.

CEMENT TOP AT: 34'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 122 jts (3950.3')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3960.3' KB

X NIPPLE AT: 3961.4'

ARROW #1 PACKER CE AT: 3966.63'

XO 2-3/8 x 2-7/8 J-55 AT: 3970.4'

TBG PUP 2-3/8 J-55 AT: 3970.9'

X/N NIPPLE AT: 3975.1'

TOTAL STRING LENGTH: EOT @ 3976.58'

Cement Top @ 34'

Casing shoe @ 307'

SN @ 3960'

XN @ 3961'

Packer @ 3967'

X/N Nipple @ 3975'

EOT @ 3977'

4012'-4020'

4776'-4782'

4938'-4944'

5361'-5369'

5387'-5394'

5423'-5429'

5610'-5614'

5628'-5634'

PBTD @ 5758'

TD @ 5800'

FRAC JOB

12/09/05 5610'-5634'

Frac CP4 sands as follows:40,198# 20/40 sand in 394 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1702 psi  
w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc  
flush: 5608 gal. Actual flush: 5007 gal.

12/09/05 5361'-5429'

Frac CP1 & CP2 sands as follows:95,683# 20/40 sand in 703 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1593 psi  
w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc  
flush: 5359 gal. Actual flush: 4775 gal.

12/10/05 4938'-4944'

Frac A1 sands as follows:20,953# 20/40 sand in 278 bbls lightning Frac  
17 fluid. Treated @ avg press of 1972 psi  
w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc  
flush: 4936 gal. Actual flush: 4368 gal.

12/10/05 4776'-4782'

Frac B1 sands as follows:36,114# 20/40 sand in 380 bbls lightning Frac  
17 fluid. Treated @ avg press of 2210psi  
w/avg rate of 24.9 BPM. ISIP 1975 psi. Calc  
flush: 4774 gal. Actual flush: 3822 gal.

12/10/05 4012'-4020'

Frac GB4 sands as follows:19,329# 20/40 sand in 268 bbls lightning Frac  
17 fluid. Treated @ avg press of 1347psi  
w/avg rate of 14.3 BPM. ISIP 1700 psi. Calc  
flush: 4010 gal. Actual flush: 3927 gal.

06/28/07

**Pump Change.** Update rod and tubing details.

02/19/13

**Convert to Injection Well**

02/19/13

**Conversion MIT Finalized** – update tbg  
detailPERFORATION RECORD

12/05/05	5628'-5634'	4 JSPF	24 holes
12/05/05	5610'-5614'	4 JSPF	16 holes
12/09/05	5423'-5429'	4 JSPF	24 holes
12/09/05	5387'-5394'	4 JSPF	28 holes
2/09/05	5361'-5369'	4 JSPF	32 holes
12/09/05	4938'-4944'	4 JSPF	24 holes
2/10/05	4776'-4782'	4 JSPF	24 holes
12/10/05	4012'-4020'	4 JSPF	32 holes



**Federal 11-13-9-16**  
1855' FSL & 2103' FWL  
NE/SW Section 13-T9S-R16E  
Duchesne County, Utah  
API #43-013-32652; Lease #UTU-64805

## Federal 15-13-9-16

Spud Date: 10-18-05

Put on Production: 12-05-05

GL: 5553' KB: 5565'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (308.61')

DEPTH LANDED: 320.46' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

Cement top @ 170'

Casing Shoe @ 320'

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 131 jts. (5777.86')

DEPTH LANDED: 5791.11' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Prem. Lite II mixed &amp; 425 sxs 50/50 POZ.

CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 120 jts (3754.9')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3764.9' KB

ON/OFF TOOL AT: 3766'

ARROW #1 PACKER CE AT: 3771.25'

XO 2-3/8 x 2-7/8 J-55 AT: 3775'

TBG PUP 2-3/8 J-55 AT: 3775.5'

X/N NIPPLE AT: 3779.7'

TOTAL STRING LENGTH: EOT @ 3781'

SN @ 3765'

On Off Tool @ 3766'

Packer 3771'

X/N Nipple @ 3780'

EOT @ 3781'

3826-3828'

3924-3938'

4142-4156'

4486-4490'

4653-4659'

5364-5372'

5404-5410'

PBTD @ 5745'

SHOE @ 5791'

TD @ 5805'

FRAC JOB

11-30-05 5364-5410'

**Frac CP2, & CPI sands as follows:**

44747# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5362 gal. Actual flush: 5376 gal.

12-01-05 4653-4659'

**Frac C sands as follows:**

19588# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2290 psi w/avg rate of 24.7 BPM. ISIP 2850 psi. Calc flush: 4651 gal. Actual flush: 4702 gal.

12-01-05 4486-4490'

**Frac D1 sands as follows:**

19605# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4946 gal. Actual flush: 4494 gal.

12-01-05 4142-4156'

**Frac PB8 sands as follows:**

58778# 20/40 sand in 546 bbls Lightning 17 frac fluid. Treated @ avg press of 2383 w/ avg rate of 14.2 BPM. ISIP 3200 psi. Calc flush: 3140 gal. Actual flush: 4200 gal.

12-01-05 3924-3938'

**Frac GB4 sands as follows:**

30034# 20/40 sand in 312 bbls Lightning 17 frac fluid. Treated @ avg press of 1314 w/ avg rate of 14.2 BPM. ISIP 1500 psi. Calc flush: 3922 gal. Actual flush: 3864 gal.

06-16-06

**Pump change:** Update rod and tubing details.

12-15-06

**Pump Change:** Updated rod and tubing detail.

11/18/08

**Pump Change.** Updated rod & tubing details.

2/21/2010

**Tubing Leak.** Updated rod and tubing detail.

12/13/10 3826-3836'

**Frac GB2 sands as follows:** 28786# 20/40 sand in 173 bbls Lightning 17 fluid.

12/14/10

**Re-Completion finalized** – updated tbg and rod detail.

10/17/12

**Convert to Injection Well**

10/18/12

**Conversion MIT Finalized** – update tbg detailPERFORATION RECORD

11-18-05	5404-5410'	4 JSPF	24 holes
11-18-05	5364-5372'	4 JSPF	32 holes
11-30-05	4653-4659'	4 JSPF	24 holes
12-01-05	4486-4490'	4 JSPF	16 holes
12-01-05	4142-4156'	4 JSPF	56 holes
12-01-05	3924-3938'	4 JSPF	56 holes
12-13-10	3826-3828'	3 JSPF	30 holes

**Federal 15-13-9-16**

695' FSL &amp; 1972' FEL

SW/SE Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32648; Lease #UTU-64805

## Federal 5-18-9-17

Spud Date: 6-27-07  
Put on Production: 8-2-07

GL: 5461' KB: 5473'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jnts (294')  
DEPTH LANDED: 306.22' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

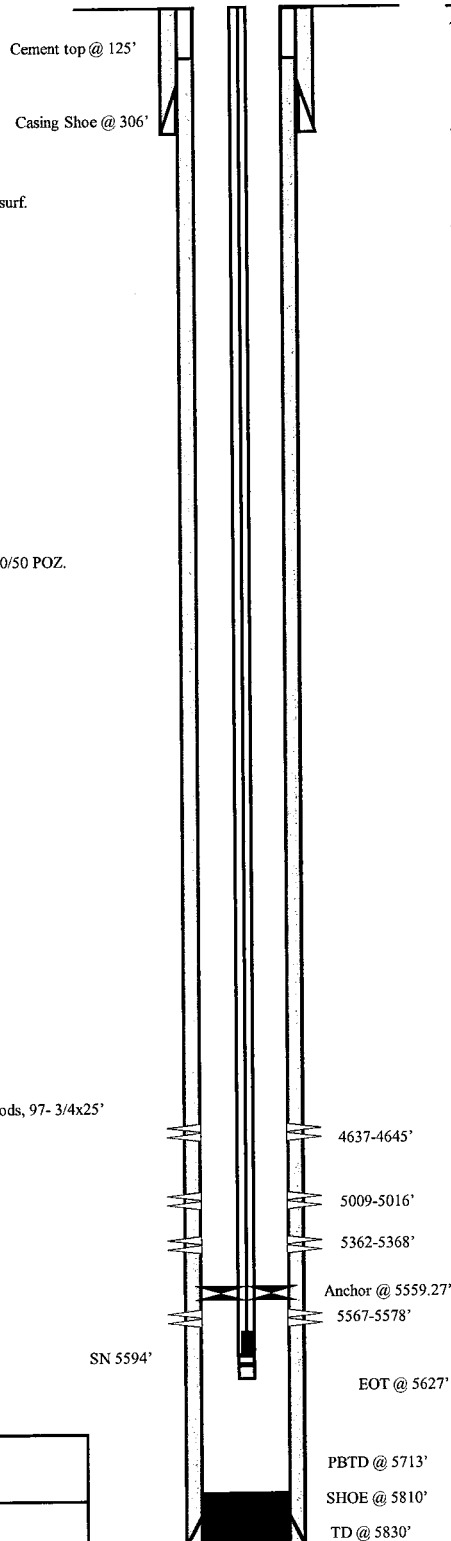
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts (5796.92')  
DEPTH LANDED: 5810.17' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 125'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 176 jts (5547.27')  
TUBING ANCHOR: 5559.27' KB  
NO. OF JOINTS: 1 jts (31.54')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5593.61' KB  
NO. OF JOINTS: 1 jts (31.60')  
TOTAL STRING LENGTH: EOT @ 5926.76' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 3/4x6'-8' Ponys, 100- 3/4x25' Guided Rods, 97- 3/4x25'  
Slick Rods, 20- 3/4x25' Wt. Bars,  
PUMP SIZE: 2-1/2" x 1-1/2" x 16x20" RHAC  
STROKE LENGTH: 120"  
PUMP SPEED, 5 SPM

**Wellbore Diagram**


Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

7-30-07	5567-5578'	<b>Frac CP4 sands as follows:</b> 30578# 20/40 sand in 402 bbls Lightning 17 frac fluid. Treated @ avg press of 1661 psi w/avg rate of 24.8 BPM. ISIP 1866 psi. Calc flush: 5565 gal. Actual flush: 5082 gal.
7-30-07	5362-5368'	<b>Frac CP.5 sands as follows:</b> 25282# 20/40 sand in 352 bbls Lightning 17 frac fluid. Treated @ avg press of 2015 psi w/avg rate of 24.4 BPM. ISIP 1834 psi. Calc flush: 5360 gal. Actual flush: 4872 gal.
7-30-07	5009-5016'	<b>Frac A3 sands as follows:</b> 31342# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 2286 psi w/avg rate of 24.7 BPM. ISIP 1550 psi. Calc flush: 5007 gal. Actual flush: 4536 gal.
7-30-07	4637-4645'	<b>Frac C sands as follows:</b> 31585# 20/40 sand in 386 bbls Lightning 17 frac fluid. 24.8 BPM. ISIP 1915 psi. Calc flush: 4635 gal. Actual flush: 4620 gal.

**PERFORATION RECORD**

6-19-07	5567-5578''	4 JSPF	44 holes
7-30-07	5362-5368'	4 JSPF	24 holes
7-30-07	5009-5016'	4 JSPF	28 holes
7-30-07	4637-4645'	4 JSPF	32 holes


<b>Federal 5-18-9-17</b> 1983' FNL & 661' FWL SW/NW Section 18-T9S-R17E Duchesne Co, Utah API #43-013-32810; Lease #UTU-72106

Spud Date: 10-10-07  
Put on Production: 11-5-07  
GL: 5535' KB: 5547'

## Federal 1-24-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

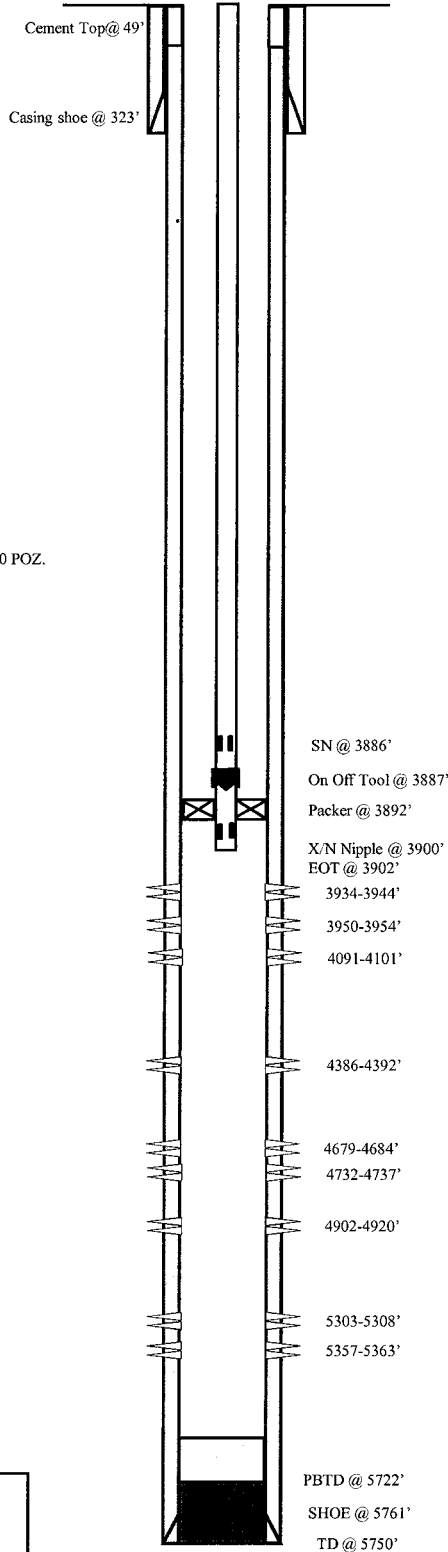
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.69')  
DEPTH LANDED: 323.45'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148jts. (55748.15')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5761.4'  
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 49'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 169 jts (3886.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3886' KB  
ON/OFF TOOL AT: 3887.2'  
ARROW #1 PACKER CE AT: 3892'  
XO 2-3/8 x 2-7/8 J-55 AT: 3895.9'  
TBG PUP 2-3/8 J-55 AT: 3896.4'  
X/N NIPPLE AT: 3900.5'  
TOTAL STRING LENGTH: EOT @ 3902'



#### FRAC JOB

10-31-07	5303-5363'	<b>Frac CP 1&amp;2 sands as follows:</b> Frac with 14554# 20/40 sand in 285 bbls Lightning 17 fluid. Treat at 2420 psi @ 24.8 BPM. ISIP 2020 psi.
10-31-07	4902-4920'	<b>Frac A3 sands as follows:</b> Frac with 89906# 20/40 sand in 691 bbls Lightning 17 fluid. Treat at 2070psi @ 24.8 BPM. ISIP 1785psi.
10-31-07	4386-4392'	<b>Frac DS3 sands as follows:</b> Frac with 25051# 20/40 sand in 339 bbls Lightning 17 fluid. Treat at 21300psi @ 24.8 BPM. ISIP 1920 psi.
10-31-07	4091-4101'	<b>Frac PB8 sand as follows:</b> Frac with 62099# 20/40 sand in 499 bbls Lightning 17 fluid. Treat at 2028 psi @ 24.8 BPM. ISIP 2110 psi.
11/26/12	3934-3954'	<b>Frac GB6 sand as follows:</b> Frac with 39227# 20/40 sand in 429 bbls Lightning 17 fluid.
11/27/2012		<b>Convert to Injection Well</b>
11/29/2012		<b>Conversion MIT Finalized</b> – update tbg detail

#### PERFORATION RECORD

4091-4101'	4 JSPF	40 holes
4386-4392'	4 JSPF	24 holes
4679-4684'	4 JSPF	20 holes
4732-4737'	4 JSPF	20 holes
4902-4920'	4 JSPF	72 holes
5303-5308'	4 JSPF	20 holes
5357-5363'	4 JSPF	24 holes
3934-3944'	3 JSPF	30 holes 11/21/12
3950-3954'	3 JSPF	12 holes 11/21/12

**NEWFIELD**

**Federal 1-24-9-16**  
537' FNL & 671' FEL  
NENE Section 24-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33082; Lease #UTU-15855

# Federal 16-13-9-16

Attachment E-9

Spud Date: 8-29-05  
Put on Production: 10-26-05

GL: 5528' KB: 5539'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (301.57')  
DEPTH LANDED: 313.42' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts. (5871.95')  
DEPTH LANDED: 5885.2' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.  
CEMENT TOP AT: 500'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 155 jts (5049.63')  
TUBING ANCHOR: 5049.63'  
NO. OF JOINTS: 1 jts (32.50')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5084.93'  
NO. OF JOINTS: 2 jts (63.20)  
TOTAL STRING LENGTH: EOT @ 5147.85'

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2", 4", 8' x 3/4" pony subs, 87-3/4" plain rods, 99-3/4" scraped rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED: 4.5 SPM

## Wellbore Diagram

Cement top @ 500'

SN 5084.93'

Anchor @ 5049.63'

5074-5083'

5147.85' EOT

PBTD @ 5839'

SHOE @ 5885'

TD @ 5900'

## FRAC JOB

10-24-05	5074-5083'	<b>Frac LODC sands as follows:</b> 55032# 20/40 sand in 529 bbls Lightning 17 frac fluid. Treated @ avg press of 2738 psi w/avg rate of 25.1 BPM. ISIP 3200 psi. Calc flush: 5072 gal. Actual flush: 4830 gal.
10-24-05	4946-4965'	<b>Frac A3 sands as follows:</b> 100665# 20/40 sand in 716 bbls Lightning 17 frac fluid. Treated @ avg press of 1750 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc flush: 4944 gal. Actual flush: 4654 gal.
10-24-05	3984-4001'	<b>Frac GB6 sands as follows:</b> 93364# 20/40 sand in 1820 bbls Lightning 17 frac fluid. Treated @ avg press of 1598 psi w/avg rate of 25.2 BPM. ISIP 1820 psi. Calc flush: 3982 gal. Actual flush: 3906 gal.
7-30-07		Pump change. Updated rod & tubing detail.

## PERFORATION RECORD

10-18-05	5074-5083'	4 JSPF	36 holes
10-24-05	4946-4965'	4 JSPF	76 holes
10-24-05	3984-4001'	4 JSPF	68 holes

**NEWFIELD**

**Federal 16-13-9-16**

656' FSL & 661' FEL

SE/SE Section 16-T9S-R16E

Duchesne Co, Utah

API #43-013-32647 ; Lease #UTU-64805

## Beluga Federal 6-18-9-17

Spud Date: 07/13/07  
 Put on Production: 08/31/07  
 GL: 5450' KB: 5462'

Injection Wellbore  
DiagramSURFACE CASING

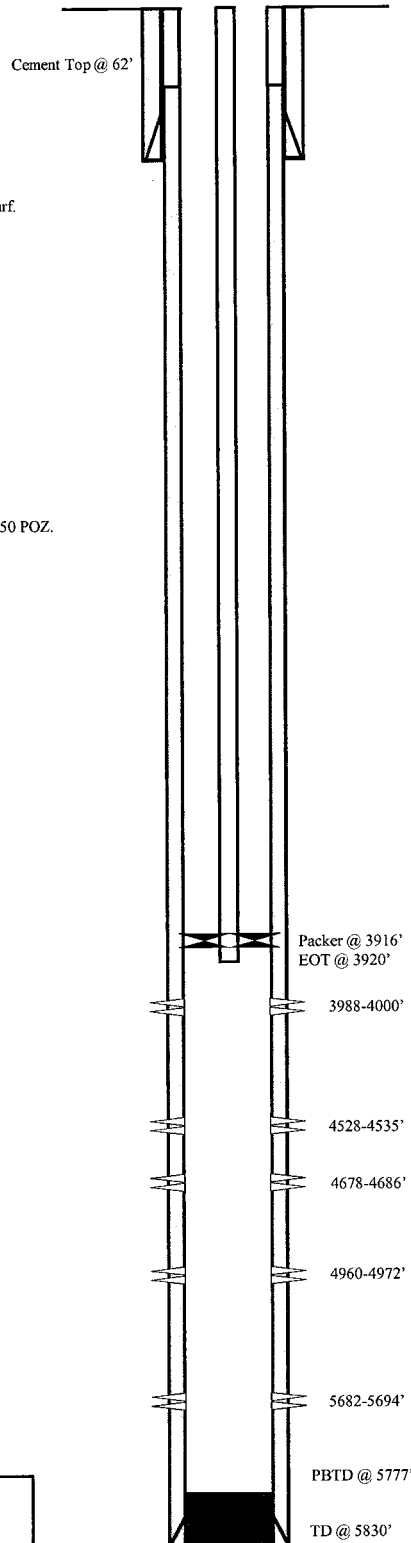
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (308.93')  
 DEPTH LANDED: 320.78' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 1 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts. (5803.04')  
 DEPTH LANDED: 5816.29' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 62'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jts (3901.6')  
 SEATING NIPPLE: 2-7/8" (1.10")  
 SN LANDED AT: 3911.6' KB  
 CE @ 3915.88'  
 TOTAL STRING LENGTH: EOT @ 3920' KB

FRAC JOB

08/27/07 5682-5694' **Frac CP5 sands as follows:**  
 14030# 20/40 sand in 290 bbls Lightning 17 frac fluid. Treated @ avg press of 2277 psi w/avg rate of 24.7 BPM. ISIP 1955 psi. Calc flush: 5680 gal. Actual flush: 5090 gal.

08/27/07 4960-4972' **Frac A1 sands as follows:**  
 84430# 20/40 sand in 662 bbls Lightning 17 frac fluid. Treated @ avg press of 1775 psi w/avg rate of 24.7 BPM. ISIP 2173 psi. Calc flush: 4958 gal. Actual flush: ? gal.

08/27/07 4678-4686' **Frac C sands as follows:**  
 19320# 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 2258 psi w/avg rate of 24.7 BPM. ISIP 1955 psi. Calc flush: 4678 gal. Actual flush: 4171 gal.

08/27/07 4528-4535' **Frac D1 sands as follows:**  
 14886# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2011 psi w/avg rate of 24.7 BPM. ISIP 1871 psi. Calc flush: 4526 gal. Actual flush: 3940 gal.

08/27/07 3988-4000' **Frac GB4 sands as follows:**  
 57271# 20/40 sand in 473 bbls Lightning 17 frac fluid. Treated @ avg press of 2065 psi w/avg rate of 24.7 BPM. ISIP 1893 psi. Calc flush: 3986 gal. Actual flush: 3902 gal.

2/1/2011 **Pump Change.** Update rod and tubing details.

11/17/2011 **Pump Change.** Updated rod & tubing detail.

02/16/12 **Convert to Injection Well**

02/28/12 **Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

08/21/07	5682-5694'	4 JSPF	48 holes
08/27/07	4960-4972'	4 JSPF	48 holes
08/27/07	4678-4686'	4 JSPF	32 holes
08/27/07	4528-4535'	4 JSPF	28 holes
08/27/07	3988-4000'	4 JSPF	48 holes



**Beluga Federal 6-18-9-17**  
 2009' FNL & 1829' FWL  
 SE/NW Section 18-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-32811; Lease # UTU-72106



## BELUGA FEDERAL 11-18-9-17

Spud Date: 07/03/07  
Put on Production: 08/20/07  
GL: 5471' KB: 5483'

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.87')  
DEPTH LANDED: 323.72' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

Cement Top @ 70'

Casing Shoe @ 324'

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148 jts. (5741.52')  
DEPTH LANDED: 5754.77' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP: 70'

#### TUBING

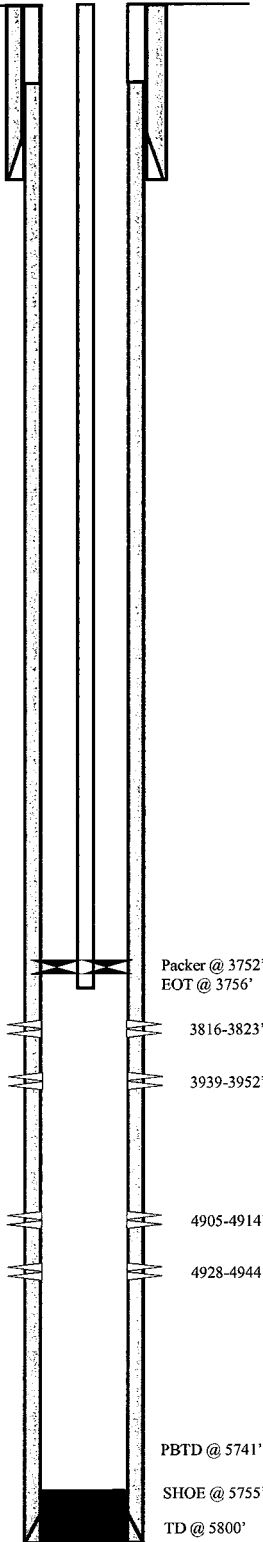
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 117 jts (3736')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3748' KB  
CE @ 3752'  
TOTAL STRING LENGTH: EOT @ 3756' KB

#### FRAC JOB

08/15/07	4905-4944'	<b>Frac A1 &amp; A3 sands as follows:</b> 80231# 20/40 sand in 629 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 24.8 BPM. ISIP 1965 psi. Calc flush: 4903 gal. Actual flush: 4050 gal.
08/15/07	3939-3952'	<b>Frac GB4 sands as follows:</b> 69499# 20/40 sand in 560 bbls Lightning 17 frac fluid. Treated @ avg press of 1746 psi w/avg rate of 24.8 BPM. ISIP 1660 psi. Calc flush: 3937 gal. Actual flush: 3431 gal.
08/15/07	3816-3823'	<b>Frac X-stray sands as follows:</b> 19706# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1864 psi w/avg rate of 24.8 BPM. ISIP 1575 psi. Calc flush: 3814 gal. Actual flush: 3738 gal.
4/15/09		<b>Pump Change.</b> Updated r & t details.
3/2/12		<b>Convert to Injection Well</b>
3/7/12		<b>Conversion MIT Finalized</b> – update tbg detail

#### PERFORATION RECORD

08/02/07	4928-4944'	4 JSPF	64 holes
08/02/07	4905-4914'	4 JSPF	36 holes
08/20/07	3939-3952'	4 JSPF	52 holes
08/20/07	3816-3823'	4 JSPF	28 holes



### BELUGA FEDERAL 11-18-9-17

1970'FSL & 1980' FWL

NE/SW Section 18-T9S-R17E

Duchesne Co, Utah

API #43-013-32812; Lease # UTU-72106

## Beluga Federal 12-18-9-17

Spud Date: 6-28-07  
 Put on Production: 8-6-07  
 GL: 5486' KB: 5498'

**SURFACE CASING**

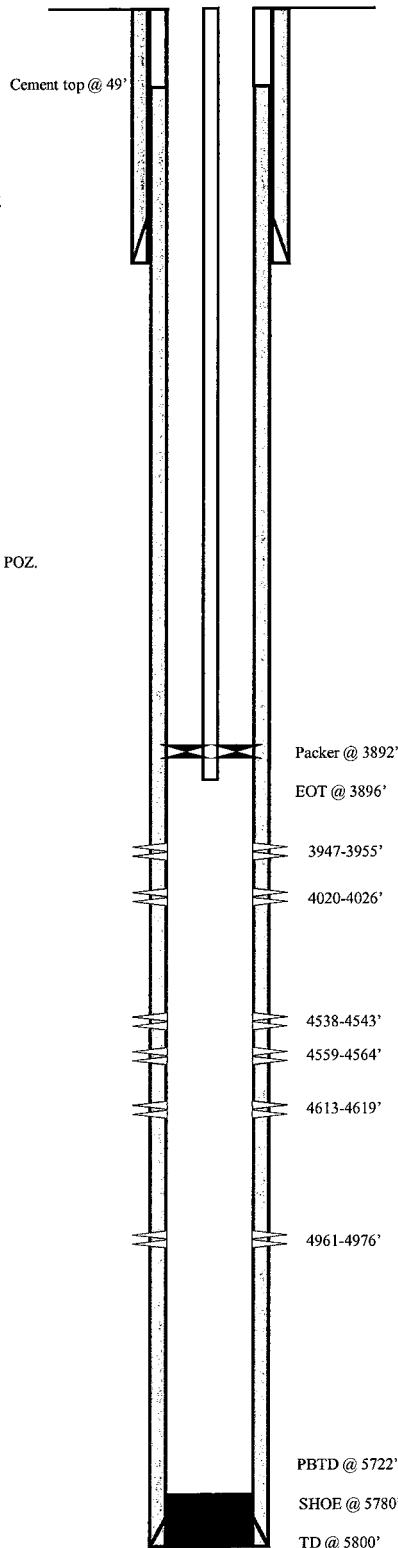
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.61')  
 DEPTH LANDED: 324.46' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts. (5767.15')  
 DEPTH LANDED: 5780.40' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (3875.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3887.2' KB  
 CE @ 3891.61'  
 TOTAL STRING LENGTH: EOT @ 3896' KB

Injection Wellbore  
Diagram**FRAC JOB**

08-02-07	4961-4976'	<b>Frac A3 sands as follows:</b> 95488# 20/40 sand in 741 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4959 gal. Actual flush: 4452 gal.
08-02-07	4538-4619'	<b>Frac D3, D2, &amp; D1 sands as follows:</b> 27607# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 25 BPM. ISIP 1830 psi. Calc flush: 4536 gal. Actual flush: 4032 gal.
08-02-07	3947-3955'	<b>Frac GB4 sands as follows:</b> 32767# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 1927 psi w/avg rate of 24.9 BPM. ISIP 1588 psi. Calc flush: 3945 gal. Actual flush: 3864 gal.
6-28-10	4020-4026'	<b>Frac GB6 sands as follows:</b> 8754# 20/40 sand in 81 bbls Lightning 17 frac fluid.
6-29-10		<b>Convert to Injection well</b>
7-7-10		<b>MIT completed</b> -tbq detail updated

**PERFORATION RECORD**

07-27-07	4961-4976'	4 JSPF	60 holes
08-02-07	4613-4619'	4 JSPF	24 holes
08-02-07	4559-4564'	4 JSPF	20 holes
08-02-07	4538-4543'	4 JSPF	20 holes
08-02-07	3947-3955'	4 JSPF	32 holes
06-28-10	4020-4026'	3 JSPF	18 holes

**Beluga Federal 12-18-9-17**

1974' FSL &amp; 659' FWL

NW/SW Section 18-T9S-R17E

Duchesne Co, Utah

API # 43-013-32813; Lease # UTU-72106

## Beluga Federal 13-18-9-17

Spud Date: 7-2-07

Put on Production: 8-16-07

GL: 5512' KB: 5524'

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (305.63')

DEPTH LANDED: 317.48' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx Class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 140 jts. (5882.26')

DEPTH LANDED: 5761.83' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Premilite II and 400 sx 50/50 Poz

CEMENT TOP: 427'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 121 jts (3836')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3848' KB

ON/OFF TOOL AT: 3849.1'

SN LANDED AT: 3850.6'

ARROW #1 PACKER CE AT: 3854.9'

XO 2-3/8 x 2-7/8 J-55 AT: 3857.9'

TBG PUP 2-3/8 J-55 AT: 3858.4'

X/N NIPPLE AT: 3862.5'

TOTAL STRING LENGTH: EOT @ 3864'

FRAC JOB

8/10/07 5395-5464'

**RU BJ & frac stage #1 CP sds as follows:**  
37,553#s of 20/40 sand in 452 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2070 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1915. Actual flush: 4914 gals.

8/10/07 4926-4941'

**RU BJ & frac stage #2 as follows:**  
84,916#s of 20/40 sand in 662 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1950 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1950. Actual flush: 4452 gals.

8/10/07 4424-4431'

**RU BJ & frac stage #3 as follows:**  
20,328#s of 20/40 sand in 300 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1723 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 1580. Actual flush: 3948 gals.

8/10/07 3986-3998'

**RU BJ & frac stage #4 as follows:**  
74,537#s of 20/40 sand in 592 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1535 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1585. Actual flush: 3528 gals.

10/8/07 3910-3924'

**RU BJ & frac stage #5 as follows:**  
70,245#s of 20/40 sand in 574 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1572 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1485. Actual flush: 3822 gals.

10/29/08

**Pump Change.** Updated rod & tubing details.

3/31/10

**Pump maintenance.** Updated rod and tubing detail.

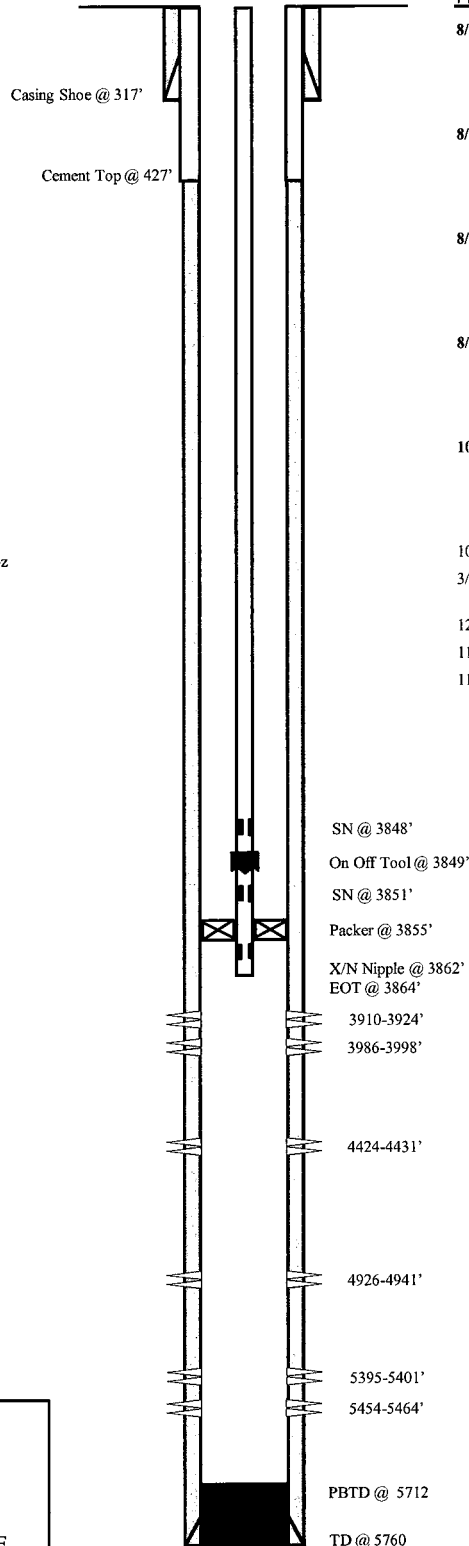
12/5/2010

**Pump Change.** Update rod and tubing details.

11/26/12

**Convert to Injection Well**

11/28/12

**Conversion MIT Finalized** – update tbg detailPERFORATION RECORD

8/10/07	3910-3924'	4 JSPF	56 holes
8/10/07	3986-3998'	4 JSPF	48 holes
8/10/07	4424-4431'	4 JSPF	28 holes
8/10/07	4926-4941'	4 JSPF	60 holes
8/10/07	5395-5401'	4 JSPF	24 holes
8/10/07	5454-5464'	4 JSPF	40 holes



Beluga Federal 13-18-9-17  
616' FSL and 678' FWL  
SW/SW Section 18, Township 9S, Range 17E  
Duchesne Co, Utah  
API #43-013-32815; Lease #UTU-72106

## GMBU Q-18-9-17

Spud Date: 12/21/2011

PWOP:01/24/2012

GL: 5516' KB: 5529'

## Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (288.9')

DEPTH LANDED: 302.22' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 170 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 143 jts. (6013.4') Includes Shoe Jt. (18')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6033.01' KB

CEMENT DATA: 225 sxs Prem. Lite II mixed &amp; 430 sxs 50/50 POZ.

CEMENT TOP AT: 104'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 186 jts. (5773.2')

TUBING ANCHOR: 5786.2' KB

NO. OF JOINTS: 1 jt. (31.3')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5820.3' KB

NO. OF JOINTS: 2 jts. (61.4')

NOTCHED COLLAR: 5882.8' KB

TOTAL STRING LENGTH: EOT @ 5883'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

SUCKER RODS: 1 - 7/8" x 4' Pony Rod, 69 - 7/8" 8per Guided Rods (1725'), 156 - 3/4" 4per Guided Rods (3900'), 5 - 1 1/2" Sinker Bars (125'), 5 - 1" Stabilizer Bars (20')

PUMP SIZE: 2 1/2" x 1 3/4" x 20' x 21' x 24' RHAC

STROKE LENGTH: 144"

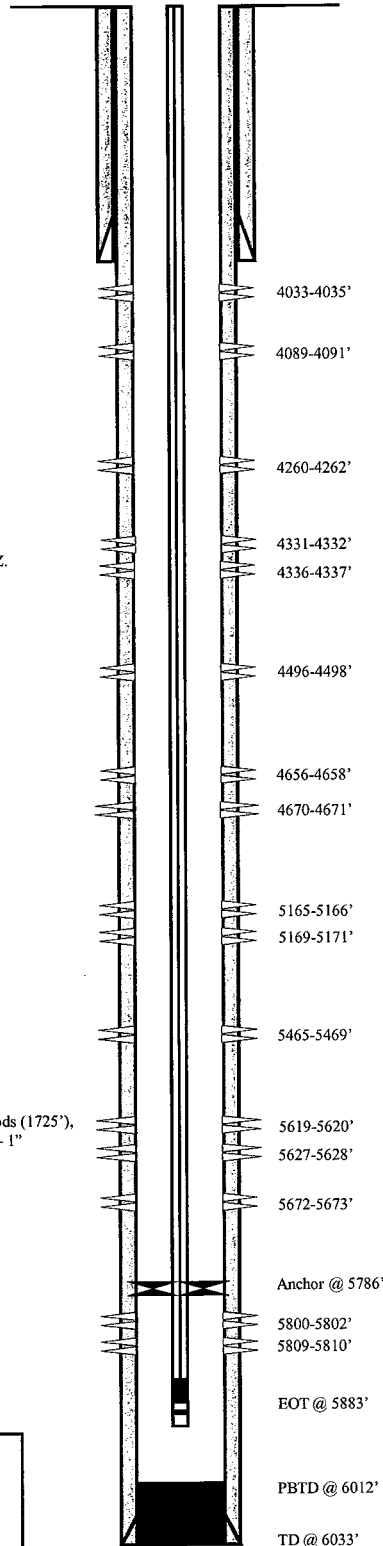
PUMP SPEED: 5 SPM

**FRAC JOB**

01/13/2012	5619-5810'	<b>Frac CP3, CP4 &amp; CP5, sands as follows:</b> Frac with 54996# 20/40 white sand in 442 bbls lightning 17 fluid; 635 bbls total fluid to recover.
01/18/2012	5465-5469'	<b>Frac CP.5, sands as follows:</b> Frac with 14297# 20/40 white sand in 223 bbls lightning 17 fluid; 373 bbls total fluid to recover.
01/18/2012	5165-5171'	<b>Frac LODC, sands as follows:</b> Frac with 19388# 20/40 white sand in 298 bbls lightning 17 fluid; 421 bbls total fluid to recover.
01/18/2012	4496-4671'	<b>Frac D2 &amp; DS2, sands as follows:</b> Frac with 60086# 20/40 white sand in 465 bbls lightning 17 fluid; 572 bbls total fluid to recover.
01/18/2012	4260-4337'	<b>Frac PB8 &amp; PB10, sands as follows:</b> Frac with 34916# 20/40 white sand in 292 bbls lightning 17 fluid; 394 bbls total fluid to recover.
01/18/2012	4033-4091'	<b>Frac GB4 &amp; GB6, sands as follows:</b> Frac with 48328# 20/40 white sand in 375 bbls lightning 17 fluid; 408 bbls total fluid to recover.

**PERFORATION RECORD**

5809-5810'	3 JSPF	3 holes
5800-5802'	3 JSPF	3 holes
5672-5673'	3 JSPF	3 holes
5627-5628'	3 JSPF	6 holes
5619-5620'	3 JSPF	3 holes
5465-5469'	3 JSPF	12 holes
5169-5171'	3 JSPF	6 holes
5165-5166'	3 JSPF	3 holes
4670-4671'	3 JSPF	3 holes
4656-4658'	3 JSPF	3 holes
4496-4498'	3 JSPF	6 holes
4336-4337'	3 JSPF	3 holes
4331-4332'	3 JSPF	3 holes
4260-4262'	3 JSPF	6 holes
4089-4091'	3 JSPF	6 holes
4033-4035'	3 JSPF	6 holes

**NEWFIELD****GMBU Q-18-9-17**

593' FSL &amp; 689' FWL (SW/SW)

Section 18, T9S, R17E

Duchesne County, Utah

API #43-013-50507; Lease # UTU-72106

## Greater Monument Butte N-18-9-17

Spud Date: 6/30/2011

Put on Production: 8/9/2011

GL: 5467' KB: 5479'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (315.35')

DEPTH LANDED: 327.67' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G", circ. 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 140 jts. (6031.37')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6050.41' KB

CEMENT DATA: 275 sxs Prem. Lite II mixed &amp; 390 sxs 50/50 POZ

CEMENT TOP AT: 78' per CBL 7/27/11

TUBING (GI 8/9/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 185 jts. (5793.7')

TUBING ANCHOR: 5805.72' KB

NO. OF JOINTS: 1 jt. (31.7')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5840.23' KB

NO. OF JOINTS: 2 jts. (62.6')

NOTCHED COLLAR: 2-7/8" (0.45')

TOTAL STRING LENGTH: EOT @ 5904.36' KB

SUCKER RODS (GI 1/31/13)

POLISHED ROD: 1-1/2" x 30' Spray Metal Polish Rod

SUCKER RODS: 2' x 7/8" Pony Rod, [Polish Rod], 2', 6', 8' x 7/8" Pony Rods, 227 x 7/8" Guided Rods(8per), 4 x 1-1/2" Weight Bars, 4' x 1" Stabilizer Bar

PUMP SIZE: 2-1/2 x 1-1/4" x 20' x 24' RHAC

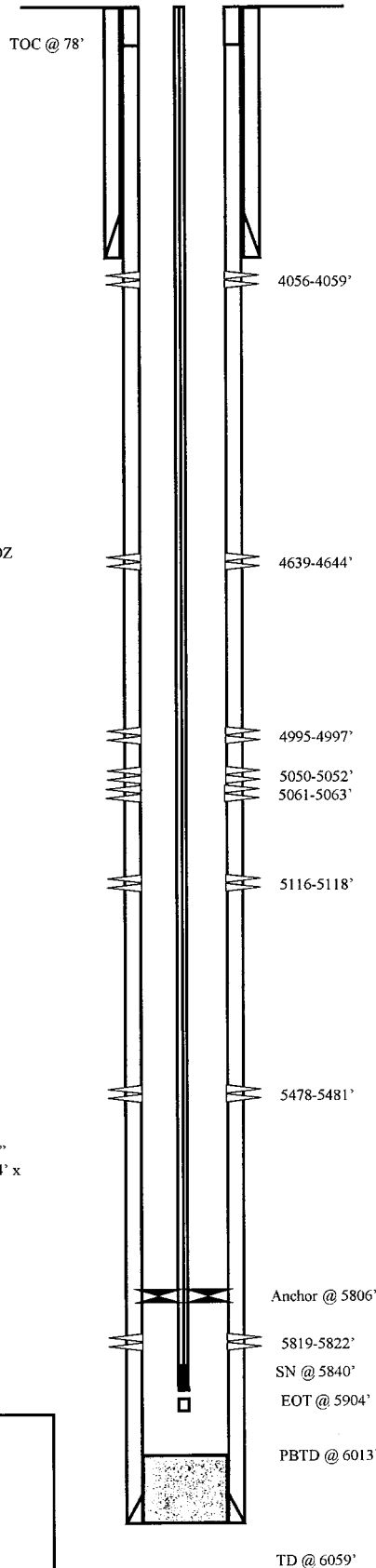
STROKE LENGTH: 146"

PUMP SPEED, SPM: 3.5

PUMPING UNIT: DARCO C-640-365-168

FRAC JOB

7/27/2011	5478-5822'	<b>Frac CP.5 and CPS, sands as follows:</b> Frac with 19447# 20/40 white sand in 172 bbls Lightning 17 fluid; 321 bbls total fluid to recover.
7/29/2011	4995-4997'	<b>Frac A.5, A1 and A3, sands as follows:</b> Frac with 149937# 20/40 white sand in 911 bbls Lightning 17 fluid; 1028 bbls total fluid to recover.
7/29/2011	4639-4644'	<b>Frac D1, sands as follows:</b> Frac with 43464# 20/40 white sand in 292 bbls Lightning 17 fluid; 400 bbls total fluid to recover.
7/29/2011	4056-4059'	<b>Frac GB4, sands as follows:</b> Frac with 13696# 20/40 white sand in 271 bbls Lightning 17 fluid; 235 bbls total fluid to recover.

PERFORATION RECORD

4056-4058'	3 JSPF	9 holes
4639-4644'	3 JSPF	15 holes
4995-4997'	3 JPSF	6 holes
5050-5052'	3 JSPF	6 holes
5061-5063'	3 JSPF	6 holes
5116-5118'	3 JSPF	6 holes
5478-5481'	3 JSPF	9 holes
5819-5822'	3 JSPF	9 holes

**NEWFIELD****Greater Monument Butte N-18-9-17**

1962' FNL &amp; 678' FWL (SW/NW)

Section 18, T9S, R17E

Duchesne County, Utah

API #43-013-50500; Lease #UTU-72106

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Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **BELUGA INJECTION**Sample Point: **After Filters**Sample Date: **11/28/2012**Sample ID: **WA-228948**Sales Rep: **Michael McBride**Lab Tech: **Gary Peterson**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	2814.83	Chloride (Cl):	4000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	20.00	Sulfate (SO <sub>4</sub> ):	460.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	47.00	Bicarbonate (HCO <sub>3</sub> ):	512.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	79.00	Carbonate (CO <sub>3</sub> ):	
Calculated Density (g/ml):	1.003	Strontium (Sr):		Acetic Acid (CH <sub>3</sub> COO)	
pH:	7.40	Barium (Ba):	0.14	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
Calculated TDS (mg/L):	7933.86	Iron (Fe):	0.17	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
CO <sub>2</sub> in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
Dissolved CO <sub>2</sub> (mg/L):	13.00	Lead (Pb):	0.00	Fluoride (F):	
H <sub>2</sub> S in Gas (%):		Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Water (mg/L):	7.00	Manganese (Mn):	0.70	Silica (SiO <sub>2</sub> ):	

## Notes:

11:30

(PTB = Pounds per Thousand Barrels)

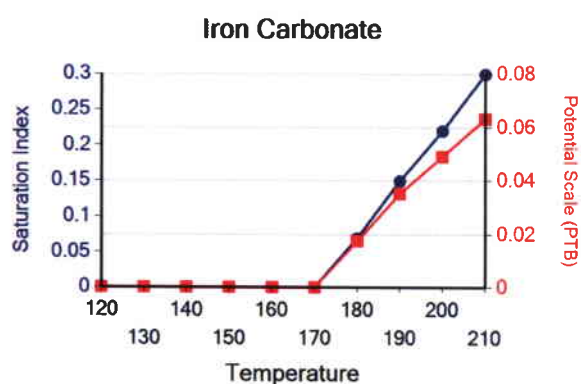
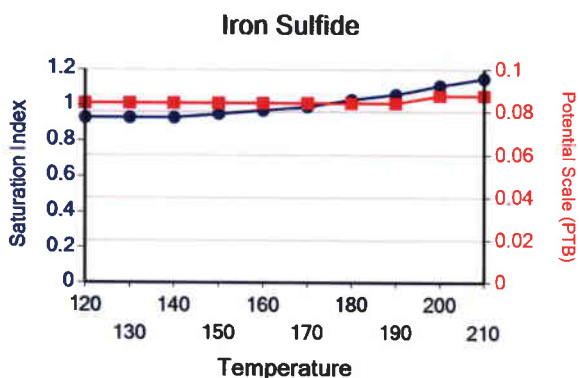
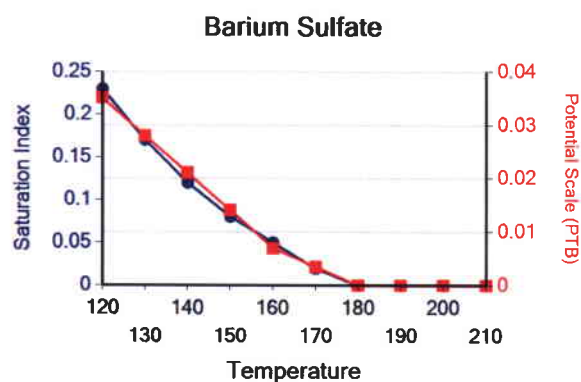
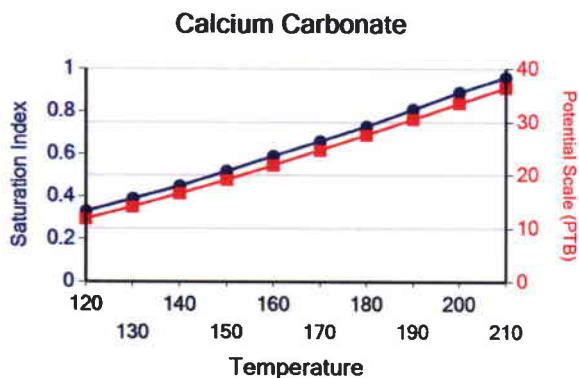
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> 2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.96	36.46	0.00	0.00	1.15	0.09	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01
200.00	60.00	0.89	33.50	0.00	0.00	1.11	0.09	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.13	0.01
190.00	60.00	0.81	30.53	0.00	0.00	1.06	0.08	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.01
180.00	60.00	0.73	27.58	0.00	0.00	1.03	0.08	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.01
170.00	60.00	0.66	24.68	0.02	0.00	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.01
160.00	60.00	0.59	21.85	0.05	0.01	0.97	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.01
150.00	60.00	0.52	19.12	0.08	0.01	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48	0.01
140.00	60.00	0.45	16.50	0.12	0.02	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.57	0.01
130.00	60.00	0.39	14.02	0.17	0.03	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.01
120.00	60.00	0.33	11.69	0.23	0.04	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01

## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

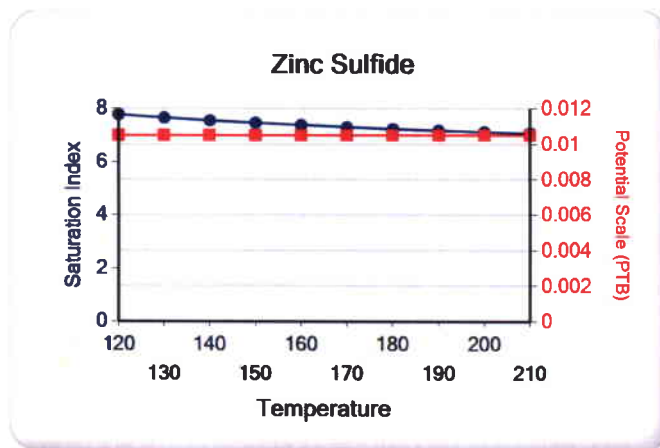
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Zinc Sulfide





## Water Analysis Report



## Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

ATTACHMENT F

4 of 7

multi-chem®

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FEDERAL 9-13T-9-16**Sample Point: **Treater**Sample Date: **3/11/2013**Sample ID: **WA-236954**Sales Rep: **Michael McBride**Lab Tech: **Layne Wilkerson**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	3/20/2013	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120.00	Sodium (Na):	5903.10	Chloride (Cl):	7000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	26.00	Sulfate (SO4):	1099.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	4.40	Bicarbonate (HCO3):	2318.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	6.10	Carbonate (CO3):	
Calculated Density (g/ml):	1.008	Strontium (Sr):	1.50	Acetic Acid (CH3COO)	
pH:	9.50	Barium (Ba):	0.60	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	16379.90	Iron (Fe):	4.20	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.20	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.07	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	115.00	Manganese (Mn):	0.35	Silica (SiO2):	16.38

## Notes:

B=10 AI=06

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4 2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.75	5.24	0.62	0.27	5.27	2.32	3.49	3.05	0.00	0.00	0.00	0.00	0.00	0.00	10.84	0.11
200.00	60.00	1.71	5.23	0.64	0.27	5.27	2.32	3.45	3.05	0.00	0.00	0.00	0.00	0.00	0.00	10.94	0.11
190.00	60.00	1.67	5.22	0.66	0.28	5.27	2.32	3.41	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.04	0.11
180.00	60.00	1.63	5.21	0.68	0.28	5.28	2.32	3.37	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.15	0.11
170.00	60.00	1.59	5.20	0.71	0.29	5.29	2.32	3.33	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.26	0.11
160.00	60.00	1.55	5.19	0.75	0.29	5.31	2.32	3.28	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.38	0.11
150.00	60.00	1.52	5.18	0.78	0.30	5.33	2.32	3.24	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.51	0.11
140.00	60.00	1.49	5.16	0.83	0.30	5.36	2.32	3.19	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.64	0.11
130.00	60.00	1.46	5.15	0.88	0.31	5.39	2.32	3.14	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.79	0.11
120.00	60.00	1.43	5.14	0.94	0.32	5.44	2.32	3.09	3.05	0.00	0.00	0.00	0.00	0.00	0.00	11.94	0.11

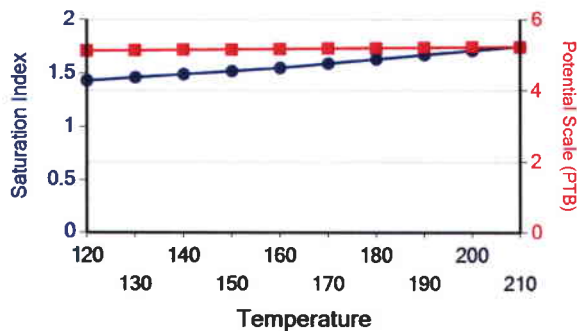
## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.13	11.45	0.03	9.44	8.79	4.65	10.25	15.47	3.27
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.13	11.61	0.03	9.11	8.79	4.48	10.23	15.28	3.27
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.13	11.79	0.03	8.78	8.78	4.31	10.20	15.08	3.27
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.13	11.97	0.03	8.45	8.78	4.13	10.17	14.88	3.27
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.13	12.16	0.03	8.10	8.78	3.95	10.12	14.68	3.27
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.13	12.36	0.03	7.75	8.77	3.77	10.07	14.47	3.27
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.13	12.58	0.03	7.39	8.77	3.58	10.00	14.26	3.27
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74	0.13	12.80	0.03	7.03	8.76	3.40	9.91	14.06	3.27
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.13	13.04	0.03	6.67	8.75	3.21	9.81	13.85	3.27
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.13	13.30	0.03	6.30	8.73	3.02	9.68	13.64	3.27

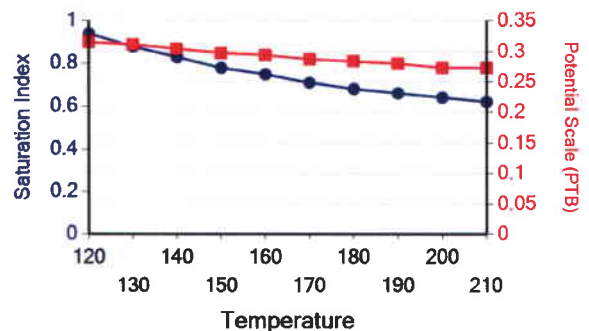
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

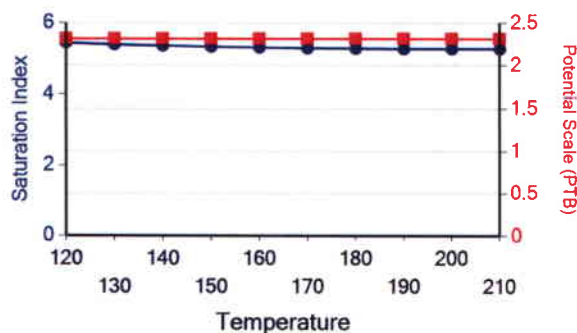
Calcium Carbonate



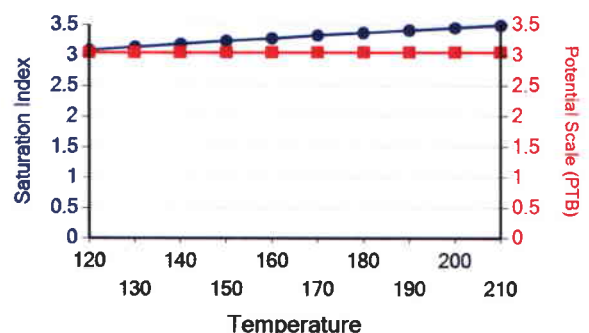
Barium Sulfate



Iron Sulfide

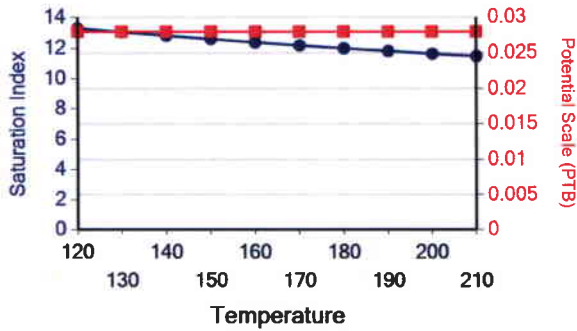


Iron Carbonate

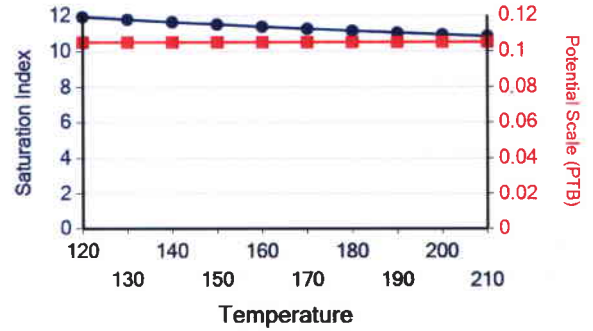


## Water Analysis Report

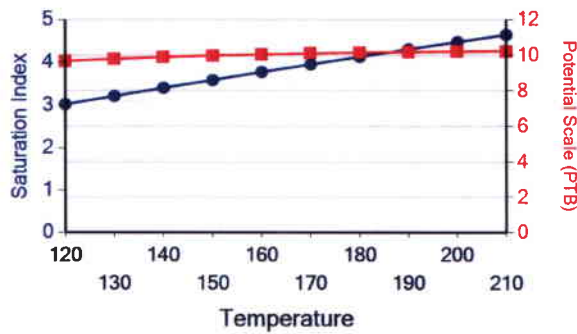
Lead Sulfide



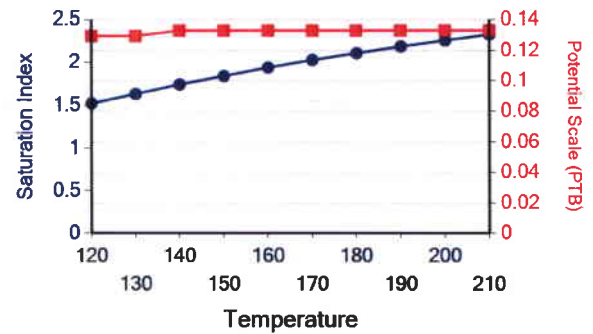
Zinc Sulfide



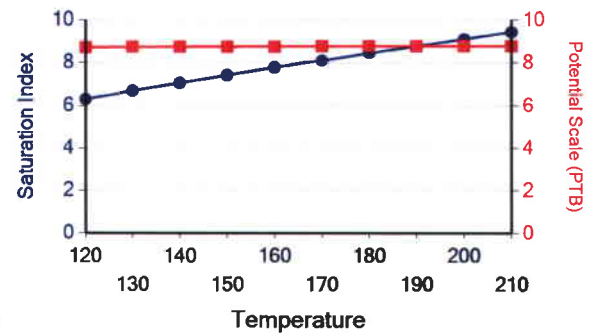
Ca Mg Silicate



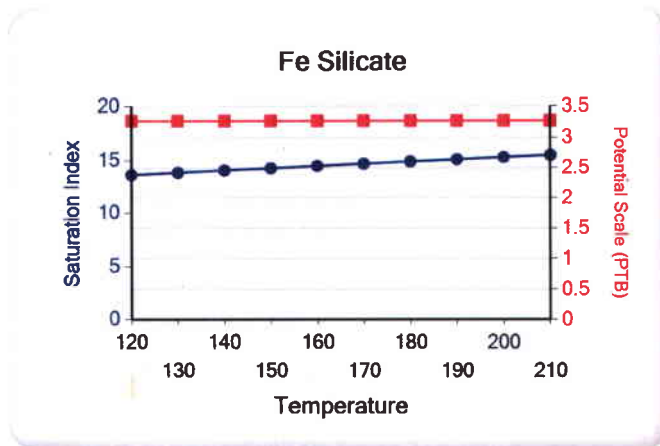
Zinc Carbonate



Mg Silicate



Water Analysis Report



**Attachment "G"**

**Federal 9-13T-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4666	4674	4670	2100	0.88	2070
4572	4580	4576	2100	0.89	2070
4031	4037	4034	1800	0.88	1774 ←
3938	3946	3942	2200	0.99	2174
				<b>Minimum</b>	<u>1774</u>

**Calculation of Maximum Surface Injection Pressure**

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf  
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

**Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.**

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.





## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16 Report Date: Dec. 9, 2005 Day: 01  
 Operation: Completion Rig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4638'WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 8, 2005 SITP:  SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 4638' & cement top @ 554'. Lack 36' f/ btm perf of stage #1. Unable to spud gun to needed depth. RDWLT. SIFN W/ est 113 BWTR.  
**WO rig to C/O well before proceeding with fracs.**

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 113 Starting oil rec to date:   
 Fluid lost/recovered today: 0 Oil lost/recovered today:   
 Ending fluid to be recovered: 113 Cum oil recovered:   
 IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used:  Job Type:   
 Company:   
 Procedure or Equipment detail:

Weatherford BOP   
 NPC NU crew   
 NDSI trucking   
 Perforators LLC   
 Drilling cost   
 Zubiate HO trk   
 Location preparation   
 NPC wellhead   
 Benco - anchors   
 Admin. Overhead   
 NPC Supervisor

Max TP:  Max Rate:  Total fluid pmpd:   
 Avg TP:  Avg Rate:  Total Prop pmpd:   
 ISIP:  5 min:  10 min:  FG:   
 Completion Supervisor: Gary Dietz

DAILY COST: \$0  
 TOTAL WELL COST:





## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16  
 Operation: Completion

Report Date: 15-Dec-05

Day: 02

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4638'WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 14-Dec-05

SITP: SICP: 0

MIRU NC#3. RU washington head. Talley, PU & RIH w/ 4 3/4" rock bit, bit sub & 50 jts of 2 7/8 J-55 tbg. EOT @ 1575'. SIWFN w/ est 113 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 113 Starting oil rec to date:   
 Fluid lost/recovered today: 0 Oil lost/recovered today:   
 Ending fluid to be recovered: 113 Cum oil recovered:   
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type:  
 Company: Procedure or Equipment detail:

Weatherford BOP  
 NC #3 rig  
 NDSI trucking  
 Rocky MT (TOC)  
 NPC wtr & trucking  
 Aztec pipe  
 NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:  
 Avg TP: Avg Rate: Total Prop pmpd:  
 ISIP: 5 min: 10 min: FG:  
 Completion Supervisor: Orson Barney

DAILY COST: \$0  
 TOTAL WELL COST: \$0



## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16  
Operation: Completion

Report Date: 16-Dec-05

Day: 03

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 15-Dec-05

SITP: SICP: 0

Continue Talley, PU & RIH w/ tbg. Tagged cement @ 4658'. RU power swivel & drill out cement to PBTD @ 4728'. Circulate well clean w/ 200 bbls of fresh wtr w/ KCL. RD power swivel. TOH w/ 142- jts of 2 7/8 tbg. LD bit & bit sub RU Perforators LLC. RIH w/ 8' perf gun (4" ported). Perforated C sds @ 4666- 74', All 4 SPF for a total of 32 holes RD WL. SIWFN w/ est 113 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 113 Starting oil rec to date:   
Fluid lost/recovered today: 0 Oil lost/recovered today:   
Ending fluid to be recovered: 113 Cum oil recovered:   
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type:  
Company:   
Procedure or Equipment detail:

Weatherford BOP  
NC #3 rig  
Perforators LLC  
Betts wtr & trucking  
NPC wtr & trucking  
4-star power swivel  
Weatherford smith bit  
NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:  
Avg TP: Avg Rate: Total Prop pmpd:  
ISIP: 5 min: 10 min: FG:  
Completion Supervisor: Orson Barney

DAILY COST: \$0  
TOTAL WELL COST: \$0



4069

## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16

Report Date: Dec. 17, 2005

Day: 04

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 16, 2005

SITP: SICP: 0

## Day 4(a):

NU BJ Services "Ram head" frac flange. RU BJ & frac stage #1 (C sds) W/ 68,278# 20/40 sand in 535 bbls Lightning Frac 17 fluid. Perfs broke down @ 1533 psi. Treated @ ave press of 1693 psi W/ ave rate of 24.7 BPM. ISIP- 2100 psi. Spotted 12 bbls 15% HCL acid in flush to cover stage #2. Leave pressure on well. Est 648 BWTR.

See day 4(b)

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 113 Starting oil rec to date:  
 Fluid lost/recovered today: 535 Oil lost/recovered today:  
 Ending fluid to be recovered: 648 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: C sands

5400 gals of pad  
 3625 gals W/ 1-5 ppg of 20/40 sand  
 7250 gals W/ 5-8 ppg of 20/40 sand  
 1481 gals W/ 8 ppg of 20/40 sand  
 Flush W/ 504 gals of 15% HCL acid  
 Flush W/ 4200 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2191 Max Rate: 25 BPM Total fluid pmpd: 535 bbls  
 Avg TP: 1693 Avg Rate: 24.7 BPM Total Prop pmpd: 68,278#  
 ISIP: 2100 5 min: 10 min: FG: .88

Completion Supervisor: Gary Dietz

## COSTS

NC #3 rig  
 Weatherford BOP  
 Betts frac wtr  
 NPC fuel gas  
 BJ Services- C sds  
 Weatherford service  
 NPC supervision  
 DAILY COST: \$0  
 TOTAL WELL COST: \$0



## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16

Report Date: Dec. 17, 2005

Day: 04

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 4620'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4572-4580'	4/32			
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 16, 2005

SITP: SICP: 2000

## Day 4(b):

RU Black Warrior WLT & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 1-4" ported perf gun. Set plug @ 4620'. Perf stage #2 W/ 4 JSPF as follows: D2 sds @ 4572-80'. All 1 run. RU BJ Services to frac stage #2. Unable to breakdown perfs. RU WLT. RIH & dump bail 8 gals 15% HCL acid across perfs. RU BJ. Perfs still won't break. RU WL & dump 2nd batch o acid across perfs. Perfs broke down @ 3812 psi. Frac stage #2 W/ 79,385# 20/40 sand in 586 bbls Lightning Frac 17 fluid Treated @ ave press of 1800 psi W/ ave rate of 24.7 BPM. ISIP- 2100 psi. Spotted 12 bbls 15% HCL acid in flush to cover stage #3. Leave pressure on well. Est 1234 BWTR.

See day 4(c)

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 648 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 586 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1234 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: D2 sands

6000 gals of pad  
 4000 gals W/ 1-5 ppg of 20/40 sand  
 8000 gals W/ 5-8 ppg of 20/40 sand  
 2024 gals W/ 8 ppg of 20/40 sand  
 Flush W/ 504 gals of 15% HCL acid  
 Flush W/ 4074 gals of slick water

## COSTS

NC #3 rig  
 Weatherford frac plug  
 Betts frac wtr  
 NPC fuel gas  
 BJ Services- D2 sds  
 BWWL - D2 sds  
 NPC supervision

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2343 Max Rate: 25 BPM Total fluid pmpd: 586 bbls  
 Avg TP: 1800 Avg Rate: 24.7 BPM Total Prop pmpd: 79,385#  
 ISIP: 2100 5 min: 10 min: FG: .89

Completion Supervisor: Gary Dietz

DAILY COST: \$0  
 TOTAL WELL COST: \$0



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## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16Report Date: Dec. 17, 2005Day: 04Operation: CompletionRig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 4620'  
BP/Sand PBTD: 4130'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4031-4037'	4/24			
D2 sds	4572-4580'	4/32			
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 16, 2005SITP: SICP: 1680

## Day 4(c):

RU Black Warrior WLT & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 1-4" ported perf gun. Set plug @ 4130'. Perf stage #3 W/ 4 JSPF as follows: GB6 sds @ 4031-37'. All 1 run. RU BJ Services to frac stage #3. Unable to breakdown perfs. RU WL & dumpbail 8 gals 15% HCL acid across perfs. RU BJ. Perfs broke down @ 3911 psi. Frac stage #3 W/ 18,981# 20/40 sand in 253 bbls Lightning Frac 17 fluid. Treated @ ave press of 1950 psi W/ ave rate of 24.7 BPM. ISIP- 1800 psi. Spotted 12 bbls 15% HCL acid in flush to cover stage #4. Leave pressure on well. Est 1487 BWTR.

## See day 4(d)

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1234 Starting oil rec to date:   
 Fluid lost/recovered today: 253 Oil lost/recovered today:   
 Ending fluid to be recovered: 1487 Cum oil recovered:   
 IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ Services

Procedure or Equipment detail:

## GB6 sands

2000 gals of pad1511 gals W/ 1-4 ppg of 20/40 sand2991 gals W/ 4-6.5 ppg of 20/40 sandFlush W/ 504 gals of 15% HCL acidFlush W/ 3586 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 2188 Max Rate: 25 BPM Total fluid pmpd: 253 bblsAvg TP: 1950 Avg Rate: 24.7 BPM Total Prop pmpd: 18,981#ISIP: 1800 5 min:  10 min:  FG: .88Completion Supervisor: Gary DietzNC #3 rigWeatherford frac plugBetts frac wtrNPC fuel gasBJ Services- GB6 sdsBWWL - GB6 sdsNPC supervisionDAILY COST: \$0TOTAL WELL COST: \$0



## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16

Report Date: Dec. 17, 2005

Day: 04

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 4620'  
 BP/Sand PBTD: 4130'  
 BP/Sand PBTD: 3990'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3938-3946'	4/32			
GB6 sds	4031-4037'	4/24			
D2 sds	4572-4580'	4/32			
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 16, 2005

SITP: SICP: 1530

## Day 4(d):

RU Black Warrior WLT & lubricator. Run Weatherford 5 1/2" composite flow-through frac plug & 1-4" ported perf gun Set plug @ 3990'. Perf stage #4 W/ 4 JSPF as follows: GB4 sds @ 3938-46'. Had 2 runs total W/ 1 misrun. RU B. Services & frac stage #2 W/ 35,084# 20/40 sand in 358 bbls Lightning Frac 17 fluid. Perfs broke down @ 3738 psi Treated @ ave press of 1760 psi W/ ave rate of 24.7 BPM. ISIP- 2200 psi. RD BJ & WLT. Begin immediate flowback of fracs on 12/64 choke @ 1 BPM. Zones flowed 6 hrs & died. Rec est 330 BTF (19% of combined frac load of 1732 bbls). SIFN W/ est 1515 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1487 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 28 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1515 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: GB4 sands

3300 gals of pad

2431 gals W/ 1-4 ppg of 20/40 sand

4890 gals W/ 4-6.5 ppg of 20/40 sand

520 gals W/ 6.5 ppg of 20/40 sand

Flush W/ 3864 gals of slick water

## COSTS

NC #3 rig

Weatherford frac plug

Betts frac wtr

NPC fuel gas

BJ Services- GB4 sds

BWWL - GB4 sds

Betts wtr transfer

NPC flowback hand

NPC supervision

Max TP: 2390 Max Rate: 25 BPM Total fluid pmpd: 358 bbls

Avg TP: 1760 Avg Rate: 24.7 BPM Total Prop pmpd: 35,084#

ISIP: 2200 5 min: 10 min: FG: .99

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



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## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16

Report Date: Dec. 20, 2005

Day: 05

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8" @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 4665' BP/Sand PBTD: 4728'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3938-3946'	4/32			
GB6 sds	4031-4037'	4/24			
D2 sds	4572-4580'	4/32			
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 19, 2005

SITP: SICIP: 25

Thaw wellhead & BOP W/ HO trk. Bleed pressure off well. Rec est 5 BTF. ND Cameron BOP & 5M frac head  
 Install 3M production tbg head & NU Weatherford Schaeffer BOP. TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub  
 & tbg. Tag fill @ 3983'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as  
 follows (using conventional circulation): sd @ 3983', plug @ 3990' in 38 minutes; sd @ 4121', plug @ 4130' in 32  
 minutes; sd @ 4610', plug @ 4630' in 40 minutes. Con't swivelling jts in hole. Tag fill @ 4685'. Drill plug remains & sc  
 to PBTD @ 4728'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 4665'. RU swab equipment. IFL @ sfc  
 Made 9 swb runs rec 94 BTF W/ no oil, gas or sand. FFL @ 2300'. SIFN W/ est 1406 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1515 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 109 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1406 Cum oil recovered: \_\_\_\_\_  
 IFL: sfc FFL: 2300' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: 0

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

NC #3 rig  
 Weatherford BOP  
 NDSI wtr & truck  
 Four Star swivel  
 Zubiate HO trk  
 NPC sfc equipment  
 NPC labor & welding  
 RNI wtr disposal  
 NPC location cleanup  
 Monks pit reclaim  
 Mt. West sanitation  
 NPC supervision

Max TP: Max Rate: Total fluid pmpd: \_\_\_\_\_

Avg TP: Avg Rate: Total Prop pmpd: \_\_\_\_\_

ISIP: 5 min: 10 min: FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$0

TOTAL WELL COST: \$0



## DAILY COMPLETION REPORT

WELL NAME: Federal 9-13T-9-16 Report Date: Dec. 21, 2005 Day: 06  
 Operation: Completion Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8 @ 312' Prod Csg: 5-1/2" @ 4774' Csg PBTD: 4728'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 4445' BP/Sand PBTD: 4728'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3938-3946'	4/32			
GB6 sds	4031-4037'	4/24			
D2 sds	4572-4580'	4/32			
C sds	4666- 4674'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 20, 2005 SITP: 0 SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. TIH W/ tbg. Tag PBTD @ 4728' (no new fill). Circ hole W/ clean wtr. Lost est 6' BW & rec tr oil. LD excess tbg. TOH W/ tbg --LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 bullplug & collar, 3 jts tbg, 2 7/8 J-55 nipple, "Collar sized" gas anchor, 1 jt tbg, SN, 2 jts tbg, new CDI 5 1/2" TA (45K) & 123 jts 2 7/8 8rd 6.5# J-55 tbg. NC BOP. Set TA @ 4445' W/ SN @ 4514' & EOT @ 4656'. Land tbg W/ 15,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 64-3/4" plair rods, 100-3/4" scraped rods, 1-2' X 3/4" pony rod and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1466 BWTR.

Place well on production @ 5:30 PM 12/20/2005 W/ 76" SL @ 6 SPM.

FINAL REPORT!!

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1406 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 60 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1466 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

## ROD DETAIL

## COSTS

KB 10.00'	1 1/2" X 22' polished rod	NC #3 rig
123 2 7/8 J-55 tbg (4434.69')	1-2' X 3/4" pony rod	Weatherford BOP
TA (2.80' @ 4444.69' KB)	100-3/4" scraped rods	Unichem chemicals
2 2 7/8 J-55 tbg (66.89')	64-3/4" plain rods	NPC trucking
SN (1.10' @ 4514.38' KB)	10-3/4" scraped rods	Zubiate HO trk
1 2 7/8 J-55 tbg (33.45')	6-1 1/2" weight rods	CDI TA
"Collar sized" gas anchor (5.00')	CDI 2 1/2" X 1 1/2" X 14'	CDI SN
2 7/8 J-55 nipple (.45')	RHAC pump W/ SM plunger	CDI rod pump
3 2 7/8 J-55 tbg (100.22')		"A" grade rod string
2 7/8 bullplug/collar (.95')		NPC frac tks(5X7 dys)
EOT 4655.55' W/ 10' KB		NPC swb tk (5 days)
		NPC frac head
		Central Machine-PBGA
		NPC BP/cplg/nipple
		NPC supervision

DAILY COST: \$0

Completion Supervisor: Gary Dietz

TOTAL WELL COST: \$0



## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3888'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 167' balance plug using 19 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 370'
6. Plug #4 Circulate 105 sx Class "G" cement down 5 ½" and up the 5 ½" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## Federal 9-13T-9-16

Spud Date: 11/9/05  
Put on Production: 12/20/05  
GL: 5502' KB: 5512'

Initial Production: -4 BOPD,  
84 MCFD, 7 BWPD

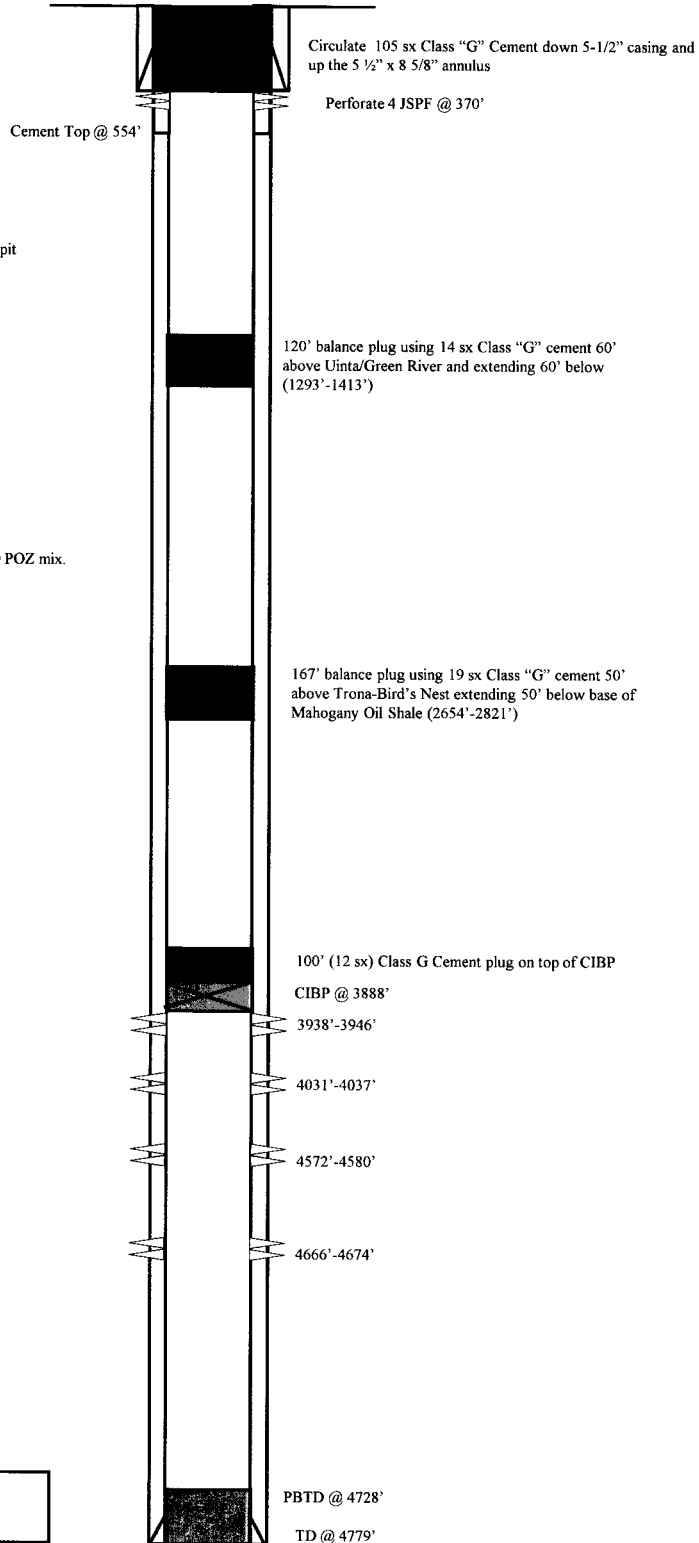
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8 5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts. (310.06')  
DEPTH LANDED: 320.06' KB  
HOLE SIZE: 12 1/4"  
CEMENT DATA: 160 sks Class G Mix. Est 1.5 bbls cement to pit

#### PRODUCTION CASING

CSG SIZE: 5 1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 110 jts. (4775.93')  
DEPTH LANDED: 4773.93' KB  
HOLE SIZE: 7 7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ mix.  
CEMENT TOP AT: 554'



**NEWFIELD**

Federal 9-13T-9-16  
2001' FSL & 660' FEL  
NE/SE Section 13-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32954; Lease #UTU-64805

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-407

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 27, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 13, AND 19, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 2-27-9-15 well located in NW/4 NE/4, Section 27, Township 9 South, Range 15 East  
API 43-013-32834  
Ashley Federal 4-27-9-15 well located in NW/4 NW/4, Section 27, Township 9 South, Range 15 East  
API 43-013-32770  
West Point 14-8-9-16 well located in SE/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32288  
Federal 16-8-9-16 well located in SE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33061  
Federal 9-13T-9-16 well located in NE/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32954  
Federal 4-19-9-16 well located in NW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33065

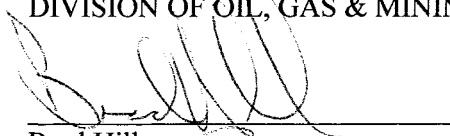
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 24<sup>th</sup> day of April, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 2-27-9-15, ASHLEY FEDERAL 4-27-9-15,  
WEST POINT 14-8-9-16, FEDERAL 16-8-9-16,  
FEDERAL 9-13T-9-16, FEDERAL 4-19-9-16**

**Cause No. UIC-407**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Ute Tribe  
P O Box 190  
Ft. Duchesne, UT 84026

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

April 24, 2013

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-407

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

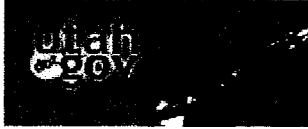
Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



---

**Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-407**

---

**Cindy Kleinfelter** <classifieds@ubstandard.com>

Wed, Apr 24, 2013 at 4:08 PM

To: Jean Sweet <jsweet@utah.gov>

On 4/24/2013 2:20 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Executive Secretary  
Utah Division of Oil, Gas and Mining  
801-538-5329

This will go in April 30.

Thanks

Cindy



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

April 24, 2013

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-407

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

4/25/13

State of Utah Mail - Legal Notice



State of Utah Mail - Legal Notice

---

## Legal Notice

**Fultz, Mark** <naclegal@mediaoneutah.com>  
Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>  
To: jsweet@utah.gov

Wed, Apr 24, 2013 at 4:41 PM

AD# 875164  
Run Trib/DNews - 4/26  
Cost \$317.48  
Thank you  
Mark

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153K



## Order Confirmation for Ad #0000875164-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	9001402352	<b>Payor Account</b>	9001402352
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EEmail</b>	juliecarter@utah.gov	Jean	mfultz

<b>Total Amount</b>	<b>\$317.48</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$317.48</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1
<b>Payment Method</b>		<u>PO Number</u>	UIC-407	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 62 Li	<NONE>

<u><b>Product</b></u>	<u><b>Placement</b></u>	<u><b>Position</b></u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	4/26/2013	
<u><b>Product</b></u>	<u><b>Placement</b></u>	<u><b>Position</b></u>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	4/26/2013	
<u><b>Product</b></u>	<u><b>Placement</b></u>	<u><b>Position</b></u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	4/26/2013	
<u><b>Product</b></u>	<u><b>Placement</b></u>	<u><b>Position</b></u>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	4/26/2013	

## Order Confirmation for Ad #0000875164-01

Ad Content Proof Actual Size

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WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663  
801-204-6910

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PROOF OF PUBLICATION

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING.  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	4/26/2013

<b>ACCOUNT NAME</b>	
DIV OF OIL-GAS & MINING	
<b>TELEPHONE</b>	<b>ADORDER#</b>
8015385340	0000875164
<b>SCHEDULE</b>	
Start 04/26/2013	End 04/26/2013
<b>CUST. REF. NO.</b>	
UIC-407	
<b>CAPTION</b>	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF	
<b>SIZE</b>	
62 Lines	3 00 CO
<b>TIMES</b>	<b>R</b>
4	
<b>MISC. CHARGES</b>	<b>AD CH</b>
<b>TOTAL</b>	
875164	
317 48	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-407

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 27, TOWNSHIP 9 SOUTH, RANGE EAST, AND SECTIONS 8, 13, AND 19, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0000 for administrative approval of the following wells located in Duchesne County, Utah, for version to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 2-27-9-15 well located in NW/4 NE/4, Section 27, Township 9 South, Range 15 East  
API 43-013-32834  
Ashley Federal 4-27-9-15 well located in NW/4 NW/4, Section 27, Township 9 South, Range 15 East  
API 43-013-32770  
West Point 14-8-9-16 well located in SE/4 SW/4, Section 8, Township 9 South, Range 16 East  
API 43-013-32288  
Federal 16-8-9-16 well located in SE/4 SE/4, Section 8, Township 9 South, Range 16 East  
API 43-013-33061  
Federal 9-13T-9-16 well located in NE/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32954  
Federal 4-19-9-16 well located in NW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33065

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Bill Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural provisions. Protestants and/or interveners should be prepared to demonstrate at the hearing how their matter affects their interests.

Dated this 24th day of April, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

UPA

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-407 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY

PUBLISHED ON Start 04.26.2013 End 04/26/2013

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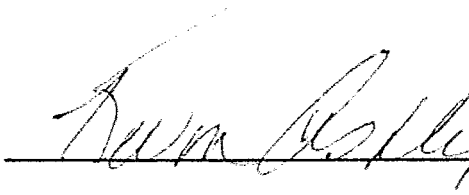
4/26/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

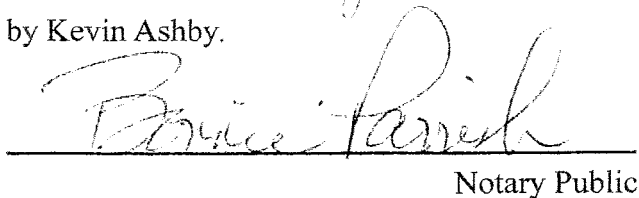
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 30 day of April, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 30 day of April, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

  
Publisher

Subscribed and sworn to before me on this

1 day of May, 20 13

by Kevin Ashby.

  
Notary Public

## NOTICE OF AGENCY ACTION CAUSE NO. UIC-407

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 27, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 13, AND 19, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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5340. If such a protest or notice of intervention is received, a hearing will be scheduled

proval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 2-27-9-15 well located in NW/4 NE/4, Section 27, Township 9 South, Range 15 East

API 43-013-32834  
Ashley Federal 4-27-9-15 well located in NW/4 NW/4, Section 27, Township 9 South, Range 15 East  
API 43-013-32770

West Point 14-8-9-16 well located in SE/4 SW/4, Section 8, Township 9 South, Range 16 East

API 43-013-32288  
Federal 16-8-9-16 well located in SE/4 SE/4, Section 8, Township 9 South, Range 16 East

API 43-013-33061  
Federal 9-13-9-16 well located in NE/4 SE/4, Section 13, Township 9 South, Range 16 East

API 43-013-32954  
Federal 4-19-9-16 well located in NW/4

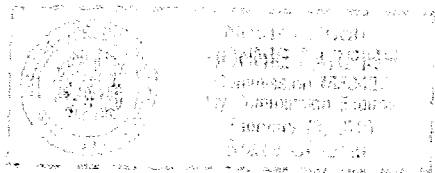
NW/4, Section Township 9 So Range 16 East

API 43-013-33

The proceeding will be conducted in accordance with 1 Admin. R649-10, administrative Procedures.

Selected zones in Green River Form will be used for injection. The minimum requested injection pressures and will be determined based on fracture gradient information submitted by New Production Company.

Any person wishing to object to application or otherwise intervene in the proceeding, file a written protest or notice of intervention with the Division within fifteen days of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permit Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, telephone (801)



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company

**Well:** Federal 9-13T-9-16

**Location:** 13/9S/16E

**API:** 43-013-32954

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 320 feet and has a cement top at the surface. A 5½ inch production casing is set at 4,774 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,266 feet. A 2 7/8 inch tubing with a packer will be set at 3,888 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 6 producing wells, 7 injection wells, 2 shut-in wells (one of which is the proposed injection well), and 1 P/A well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 surface location outside the AOR, from which a directional well is currently being drilled to a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1400 feet. Injection shall be limited to the interval between 3,801 feet and 4,728 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 9-13T-9-16 well is 0.88 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,774 psig. The requested maximum pressure is 1,774 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 9-13T-9-16**

page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 4/24/2013



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2013

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 9-13T-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32954

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,801 feet in the Federal 9-13T-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

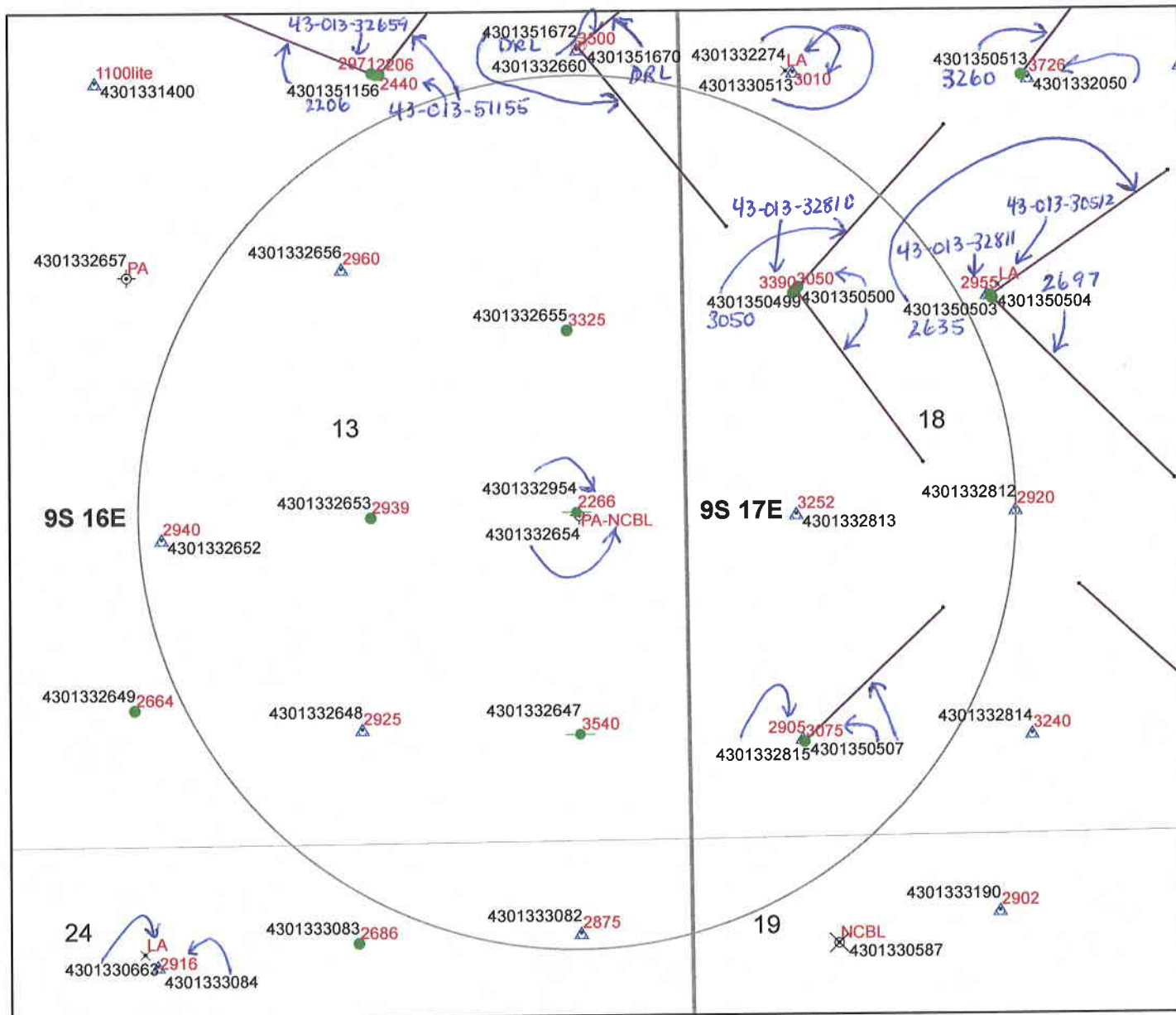
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





### Legend

#### Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⌘ GIW-Gas Injection Well
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⌘ WDW-Water Disposal Well
- △ WIW-Water Injection Well
- WSW-Water Supply Well

## Cement Bond Tops Federal 9-13T-9-16 API #43-013-32954 UIC-407.5

0 0.05 0.1 0.2 0.3 0.4 Miles



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbitopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Sundry Number: 41840 API Well Number: 43013329540000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>8. WELL NAME and NUMBER:</b> FED 9-13T-9-16	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. API NUMBER:</b> 43013329540000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2001 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/27/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 08/23/2013. On 08/26/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/27/2013 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 950 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** September 12, 2013

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/29/2013	

RECEIVED: Aug. 29, 2013



Sundry Number: 41840 API Well Number: 43013329540000

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/27/13 Time 9:00 am pm  
Test Conducted by: EVERETT UNRUH  
Others Present: \_\_\_\_\_

Well: FEDERAL 9-13T-9-14

Field: MONUMENT BUTTE

Well Location: N8E Sec 13 T9S R10E  
Duchesne County, UT

API No: 43-013-32954

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1240</u>	psig
5	<u>1240</u>	psig
10	<u>1240</u>	psig
15	<u>1240</u>	psig
20	<u>1240</u>	psig
25	<u>1240</u>	psig
30 min	<u>1240</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 950 psig

Result:

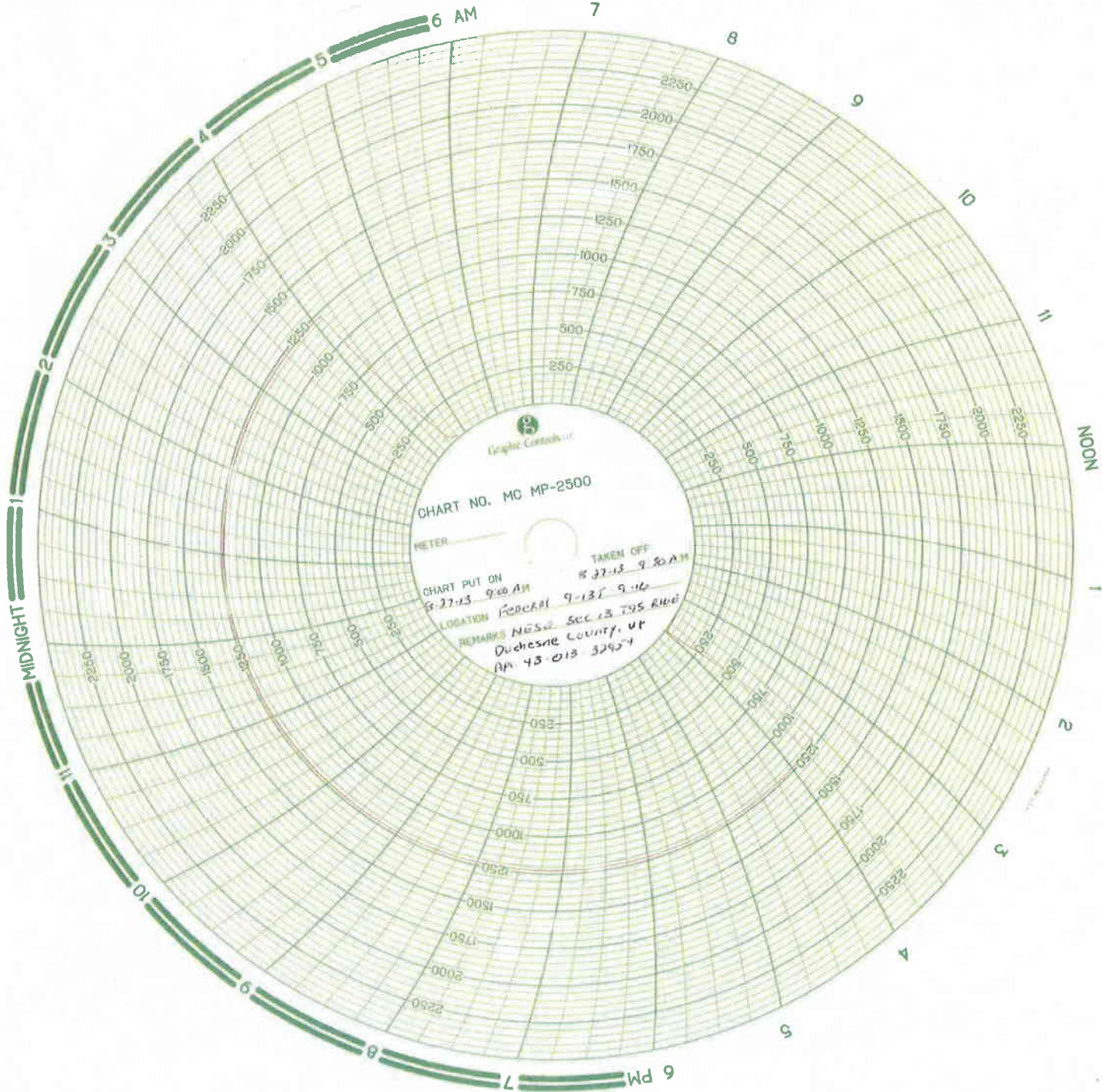
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Everett Unruh

Sundry Number: 41840 API Well Number: 43013329540000



## Daily Activity Report

Format For Sundry

**FEDERAL 9-13T-9-16**

**6/1/2013 To 10/30/2013**

**8/20/2013 Day: 1**

**Conversion**

WWS #9 on 8/20/2013 - MIRUSU - Ck pres on 6-28-8-17. 1600 psi good. Do MIT good. Rig down move to Federal 9-13T-9-16. Rig up 11:00am. Wait for Zubiate tnk. 12:00pm pump 60bbls down csg w/ 1200 psi @ 250 deg. 13:04pm wells flowing to tnk. Rec. 180bbls still flowing , pump another 60 bbls down csg. 15:00pm leave tbg flowing to Zub tnk. 15:45 tbg died. PU unseat pump, flush tbg w/ 30bbls @ 250 deg. Reseat pump fill tbg w/ 2bbls, test to 3000 psi, good. 16:00 start HO rods 100-3/4 guided. SWIFN

**Daily Cost: \$0**

**Cumulative Cost: \$10,212**

**8/21/2013 Day: 2**

**Conversion**

WWS #9 on 8/21/2013 - CK pres, flush tbg - Ck pres, 700psi, bleed off well flush tbg w/ 30 bbls @ 250 deg. 7:30 am cont LO rods. 8:15 am XO to tbg Eqp. ND wh, Pu on tbg, release Tvac. Nu BOPs, RD floor. 9:45 am TooH w/ tbg breaking collars & talley. 117 jts LD 26 extra jts. SWIFN.

**Daily Cost: \$0**

**Cumulative Cost: \$16,460**

**8/22/2013 Day: 3**

**Conversion**

WWS #9 on 8/22/2013 - Set Packer, test csg. - Bleed well off. PU RIH w/ 2 7/8" retrieving H. 1- 2 3/8" xn- nipple, 1- 4"x 2 3/8" pup jnt, 1- 5 1/2" arrow. Set pkr on-off tool, new PSN, 117 jts 2 7/8" tbg J-55. 9:00 am wait on standing valve. 9:45 am pump 5bbls drop SV. Circ down w/ 18 bbls. Pres up to 3000 psi watch 30 mins, 11:00 to 11:30 am, good bleed off. Rig up RIH w/ sandline, retrieve SV, PooH. 12:45 pm RD floor, ND BOPs. Hand tbg w/ inj tree, pump 65 bbls pkr fluid w/ fresh wtr. 1400 PU set pkr @ 3886' w/ 15000 tension. Land on inj tree PSN @ 3880' Eot @ 3896'. Pres up csg @ 14:23 to 1500 psi, watch 30 mins lost 80 psi. Well head was leaking where it screws onto csg. PU on tbg to 16:45, good. RD ck pres in morning.

**Daily Cost: \$0**

**Cumulative Cost: \$30,623**

**8/23/2013 Day: 4**

**Conversion**

WWS #9 on 8/23/2013 - Ck pres, retorque connections. Test again. - Ck pres 100 psi, lost 400lbs overnight. Pres up to 1500 psi, watch until 9:30 am. Losing 50 psi every 1/2 hr. ND wh, NU BOPs RD floor. 10:30 am TooH w/ tbg, 117 jts. Pkr looks good. 12:15 pm TIH retorquing each connection. 13:43 Rd floor, ND BOPs. Pump 65 bbls pkr fluid PU set pkr. 14:45 NU wh pres up to 1500 psi, watch 30 mins lost 50 psi. Bleed off, pres back up to 1500 psi. 15:55 to 17:00 lost 80 psi. Ck pres in morning. SWIFN.

**Daily Cost: \$0**

**Cumulative Cost: \$37,758**

**8/26/2013 Day: 5**

**Conversion**

WWS #9 on 8/26/2013 - Ck pres, csg still leaking. - Ck pres, csg still leaking. ND WH, release pkr, NU BOPs, RD floor. Drop SV circ down w/ 10 bbls, pre up to 3000 psi watch 30 mins. 9:00 am to 9:45 am, good test. Bleed off pres. RIH retrieve SV, PooH. Rig up tongs TooH w/ tbg. 10:25 am 60 jts set pkr @ 1850, pres up csg to 1500 psi. Watch 30 mins 11:00 am to 11:30 am. Still leaking. Cont TooH change 5-1/2" Pkr, SN, On-Off tool. 12:41 TIH w/ 117 jts. 13:45 pm drop SV circ down w/ 10 bbls pres up to 3000 psi. 14:05 to 14:35 pm, good. Bleed off pres. RIH retrieve SV PooH, RD floor, ND BOPs. 15:35 pump pkr fluid w/ 60 bbls fresh wtr. PU set pkr, land w/ injection tree. Pres up csg to 1500 psi @ 16:14.

**Daily Cost:** \$0

**Cumulative Cost:** \$45,043

**8/28/2013 Day: 6**

**Conversion**

Rigless on 8/28/2013 - Conduct initial MIT - On 08/26/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/27/2013 the casing was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 950 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$77,255

**Pertinent Files: Go to File List**

Spud Date: 11/9/05  
 Put on Production: 12/20/05  
 GL: 5502' KB: 5512'

## Federal 9-13T-9-16

Initial Production: ~4 BOPD,  
 84 MCFD, 7 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE 8 5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 8 jts (310.06')  
 DEPTH LANDED 320.06' KB  
 HOLE SIZE 12 1/4"  
 CEMENT DATA 160 sks Class G Mix Est 1.5 bbls cement to pit

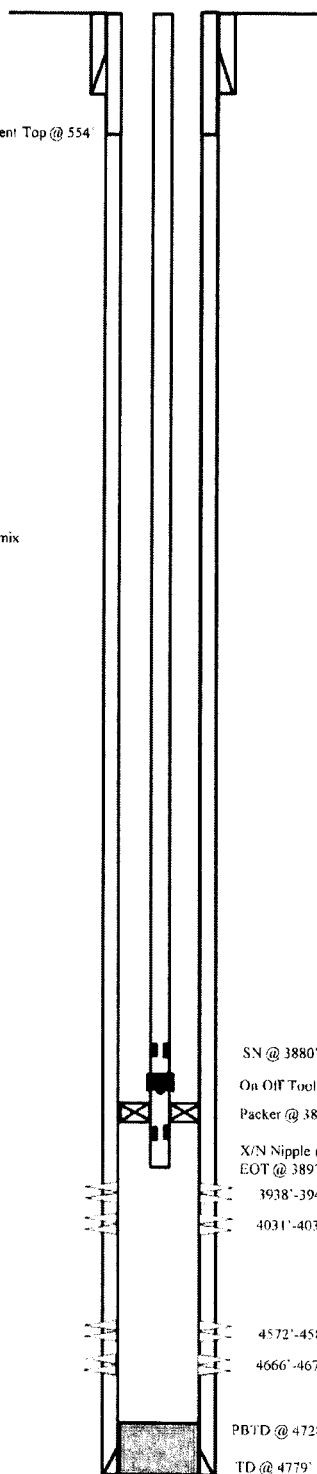
PRODUCTION CASING

CSG SIZE 5 1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 110 jts (4775.93')  
 DEPTH LANDED 4773.93' KB  
 HOLE SIZE 7 7/8"  
 CEMENT DATA 325 sks Prem Lite II mixed & 450 sks 50/50 POZ mix  
 CEMENT TOP AT 554'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS 117 jts (3870.3')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 3880.3' KB  
 ON/OFF TOOL AT 3881.4'  
 ARROW #1 PACKER CE AT 3886.58  
 XO 2-3/8 x 2-7/8 J-55 AT 3890.4'  
 TBG PUP 2-3/8 J-55 AT 3891'  
 X/N NIPPLE AT 3895.1'  
 TOTAL STRING LENGTH EOT @ 3896.63'

Cement Top @ 554'

FRAC JOB

12/16/05 4666'-4674' **Frac C sands as follows:**  
 68,278# of 20/40 sand in 535 bbls lightning  
 17 frac fluid Treated @ avg press of 1693,  
 w/avg rate of 24.7 bpm ISIP 2100 psi Calc  
 flush: 4664 gal Actual flush: 4200 gal

12/16/05 4572'-4580' **Frac D2 sands as follows:**  
 79,385# of 20/40 sand in 586 bbls lightning  
 17 frac fluid Treated @ avg press of 1800,  
 w/avg rate of 24.7 bpm ISIP 2100 psi Calc  
 flush: 4570 gal Actual flush: 4074 gal

12/16/05 4031'-4037' **Frac GB6 sands as follows:**  
 18,981# of 20/40 sand in 253 bbls  
 lightning 17 frac fluid Treated @ avg press  
 of 1950, w/avg rate of 24.7 bpm ISIP 1800  
 psi Calc flush: 4029 gal Actual flush: 3586  
 gal

12/16/05 3938'-3946' **Frac GB4 sands as follows:**  
 35,084# of 20/40 sand in 358 bbls  
 lightning 17 frac fluid Treated @ avg press  
 of 1760, w/avg rate of 24.7 bpm ISIP 2200  
 psi Calc flush: 3936 gal Actual flush: 3864  
 gal

07-17-06 **Pump Change. Rod & Tbg Detail Updated**  
 08/23/13 **Convert to Injection Well**  
 08/27/13 **Conversion MIT Finalized -- update ibg  
 detail**

PERFORATION RECORD

Date	Interval	Tool	Holes
12/16/05	3938'-3946'	4 JSPF	32 holes
12/16/05	4031'-4037'	4 JSPF	24 holes
12/16/05	4572'-4580'	4 JSPF	32 holes
12/15/05	4666'-4674'	4 JSPF	32 holes

**NEWFIELD**

**Federal 9-13T-9-16**  
 2001' FSL & 660' FEL  
 NE/SE Section 13-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32954; Lease #UTU-64805



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-407

**Operator:** Newfield Production Company  
**Well:** Federal 9-13T-9-16  
**Location:** Section 13, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32954  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 22, 2013.
2. Maximum Allowable Injection Pressure: 1,774 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,801' – 4,728')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

9-17-2013  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



Sundry Number: 42887 API Well Number: 43013329540000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64805
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>8. WELL NAME and NUMBER:</b> FED 9-13T-9-16	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. API NUMBER:</b> 43013329540000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2001 FSL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 13 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/24/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 8:00 AM on 09/24/2013.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 September 25, 2013

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/24/2013

RECEIVED: Sep. 24, 2013